AT-VIEW PLUS 3.2

DEVICE MANAGEMENT GUIDE

TABLE OF CONTENTS

This document describes the operations and menus specific to particular Allied Telesyn models of managed devices. For module-independent information, refer to the AT-View Plus Device Manager User's Guide.

Basic Operations

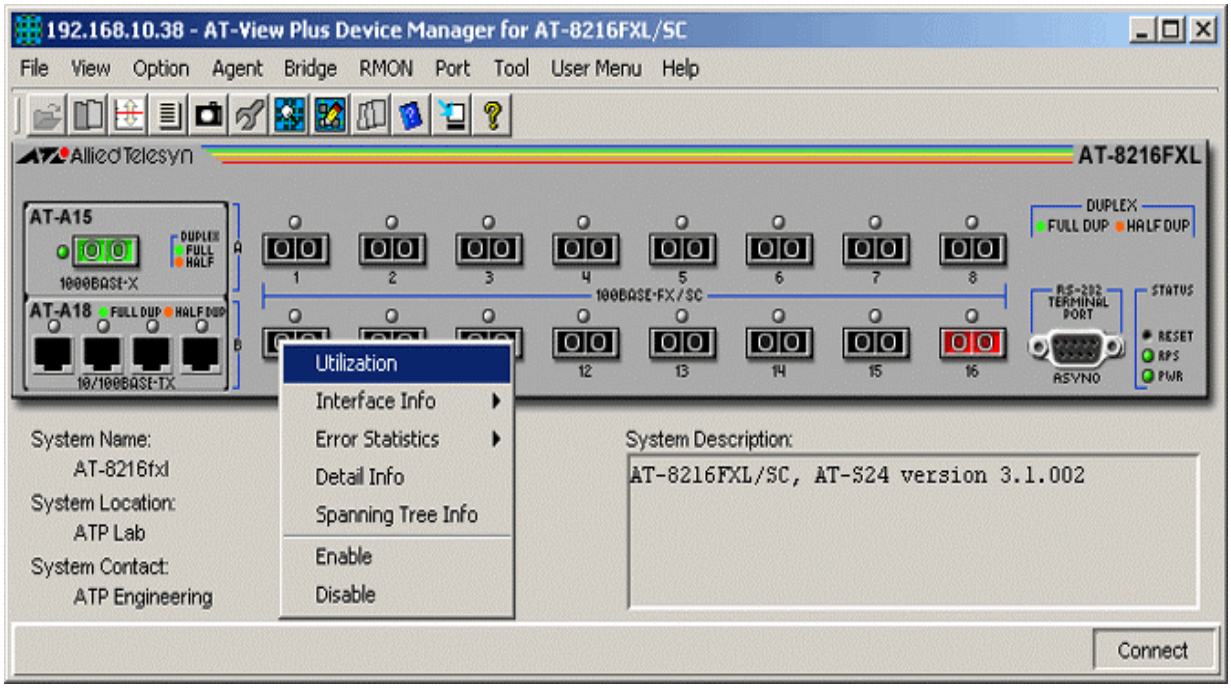
AT-View Plus Device Manager's main window shows the main panel of the target device. It has both common and device-specific menus on its menu bar.

Note - SNMPv3: All device-specific menu options are displayed regardless of the user's view access security settings.

You can perform operations on the agent by doing a right click on the main panel or by selecting a menu item from the menu bar. Ports and LEDs on the main panel indicate the status of the port, system and traffic.

Topics:

Common operations on the main window



Right clicking on a port

Port

Right clicking on a port opens a pull-down menu specific to the device. Selecting a menu item opens another window and lets you view and edit MIB information related to the port. You can also access the same menu from the menu bar.

RS-232 Terminal Port

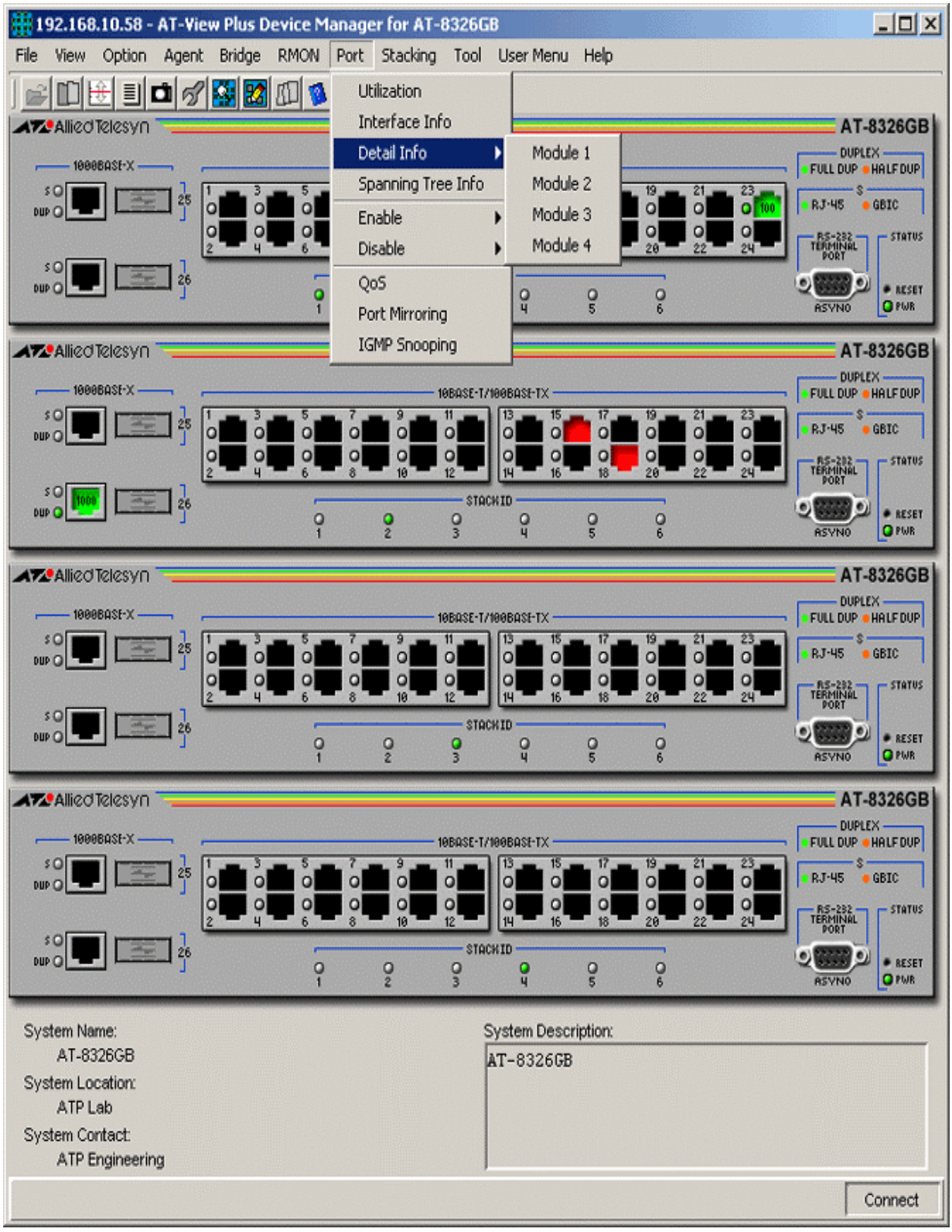
Right clicking on an RS-232 port opens a pull-down menu and lets you choose how to log into the agent. Depending on the managed device, choose Telnet or WEB Browser.

Reset Button

Right clicking on a reset button opens a pull-down menu with an option that allows you to reset the device. (Not available on some devices.)

Menu for stacked devices

If the target is a stacked device, some menus have extra subitems to specify a single device in the stack.

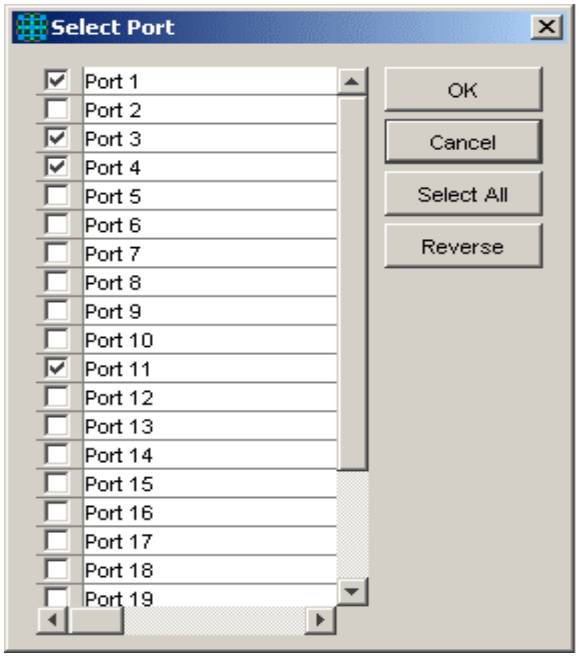


Module submenu

Port selection dialog box

When you select a menu item acting on ports, a dialog box opens to let you select ports. Check the target ports and click OK.

Note - If you select multiple ports, it may take some time for data to be displayed.



Select Port dialog box

Port status colors

Port status is shown by its color. Port speed is also displayed in the port image.

- Link Up: Green
- Disabled: Red (the port is disabled by an administrator)
- Partitioned/Blocking: Yellow
- Others: Default colour (usually black)

Note - SNMPv3: Depending on the READ VIEW access settings of the User Account Name used, there is a possibility that AT-View Plus Device Manager may not be able to access some MIB values that control the Port status. When this happens, the affected ports will be shown in the default color.

LED status

In AT-View Plus Device Manager, LEDs do not blink. The meanings of LEDs differ between devices.

Utilization

Utilization is calculated by the following formula.

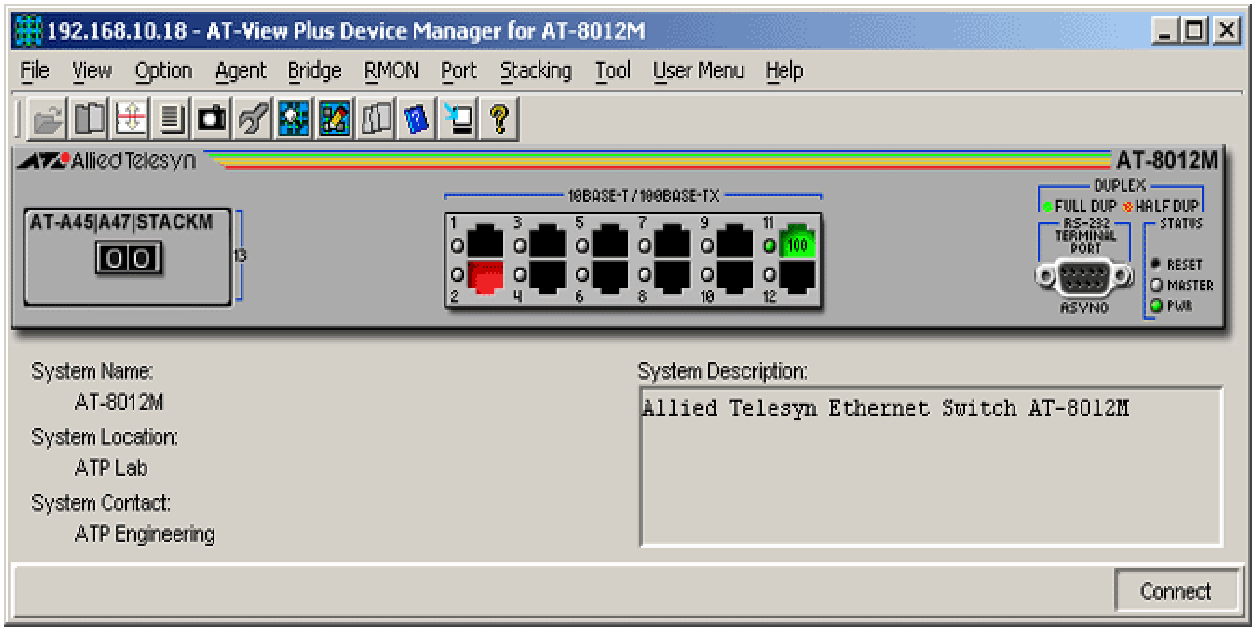
$$\text{Utilization (\%)} = \frac{\text{\# of frames x (96 + 64) + octets x 8}}{\text{Port speed (bps) x Sampling Interval(sec)}} \times 100$$

AT-8000 Series

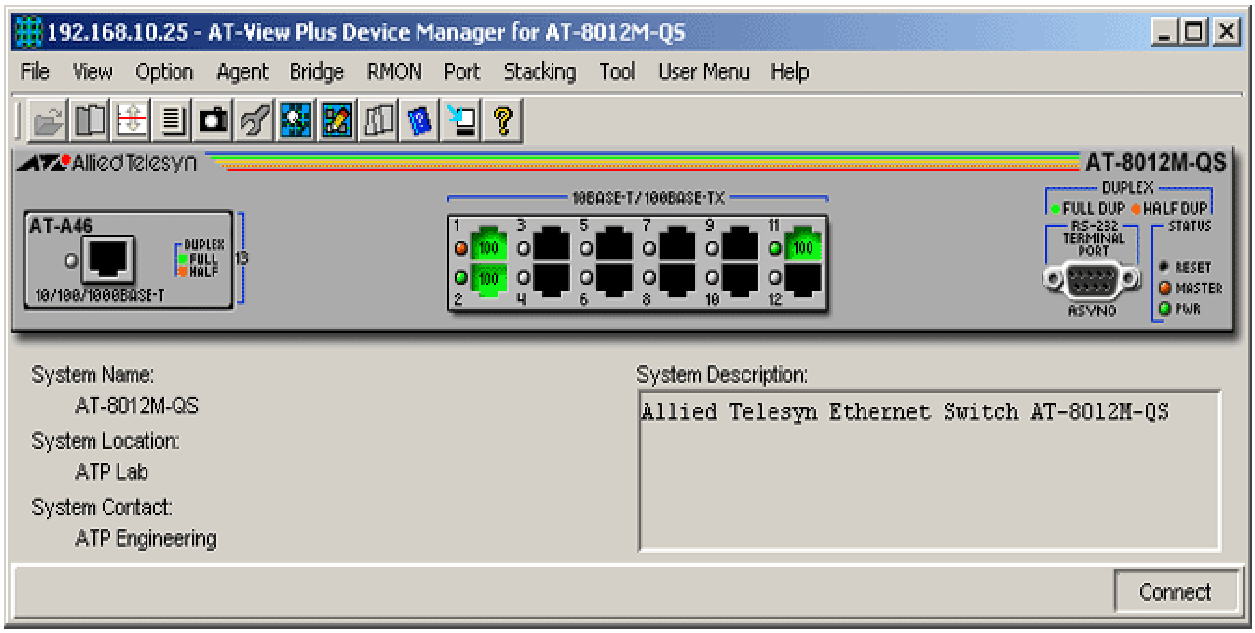
This section describes AT-View Plus Device Manager menus and operations specific to the AT-8000 Series.

Topics:

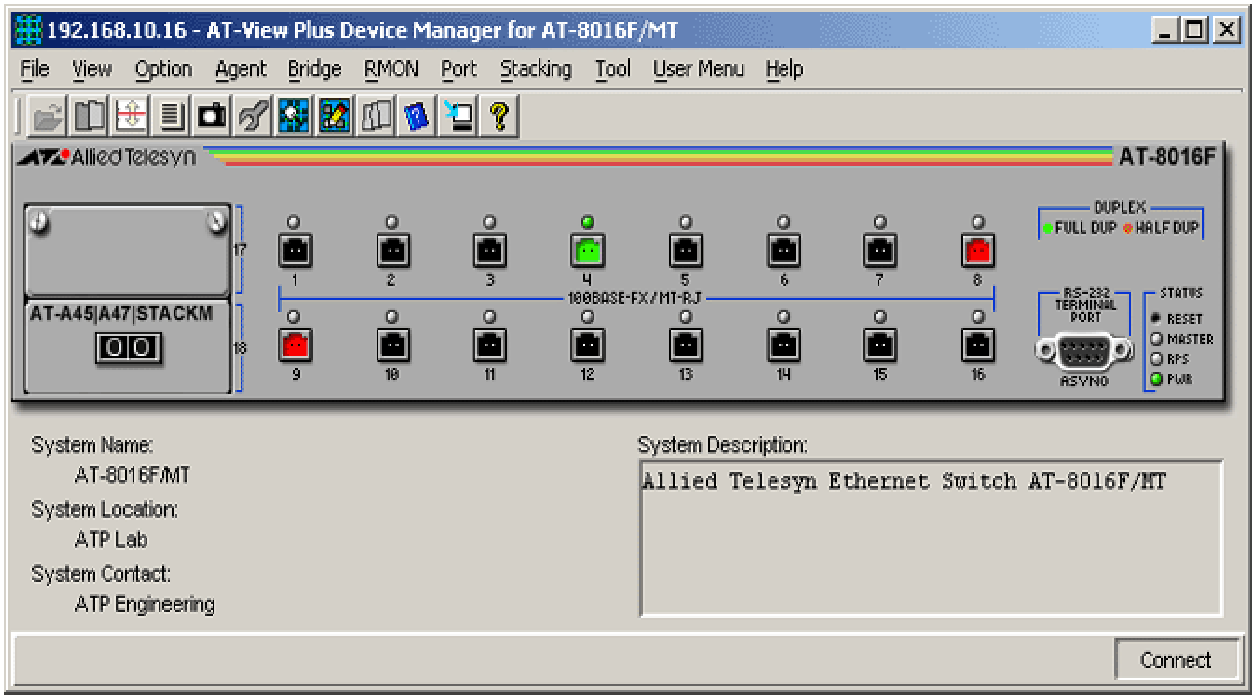
Main Window



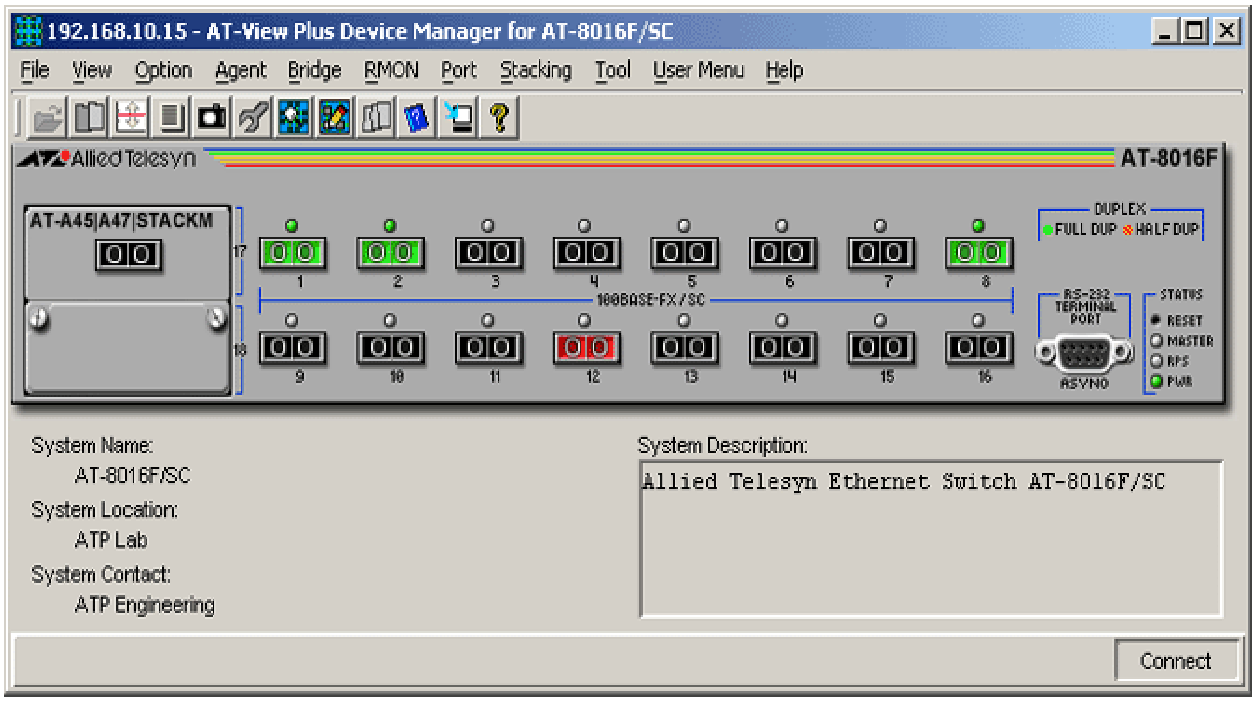
AT-8012M



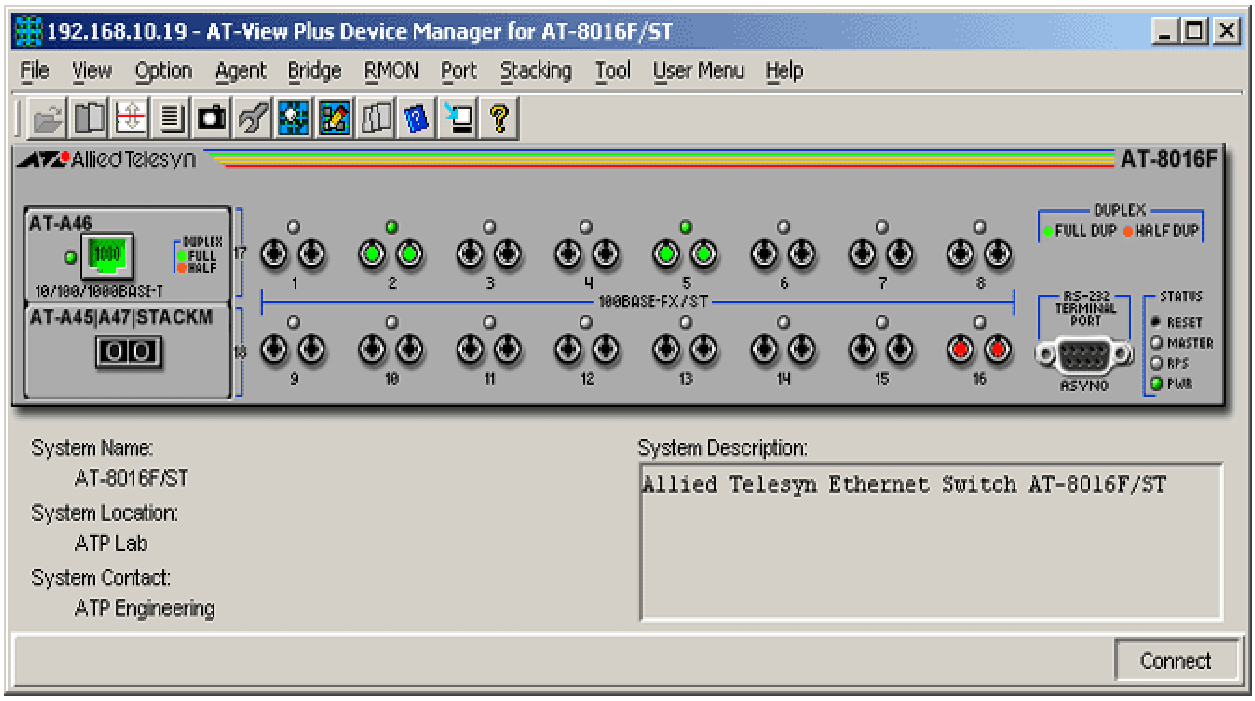
AT-8012M-QS



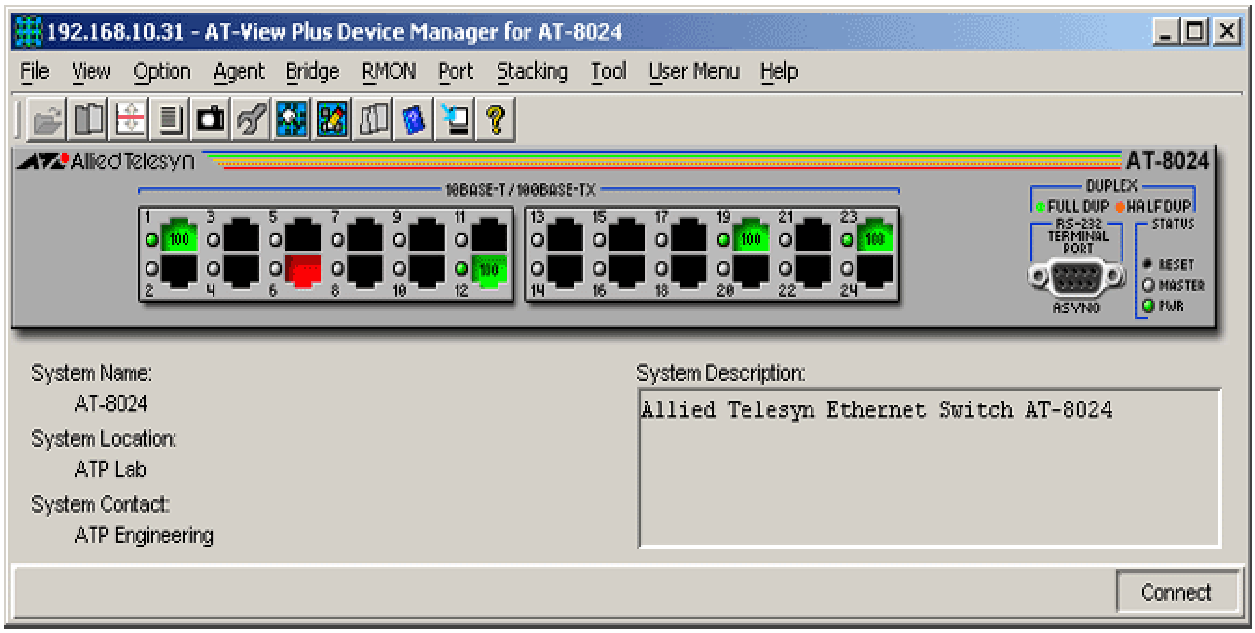
AT-8016F/MT



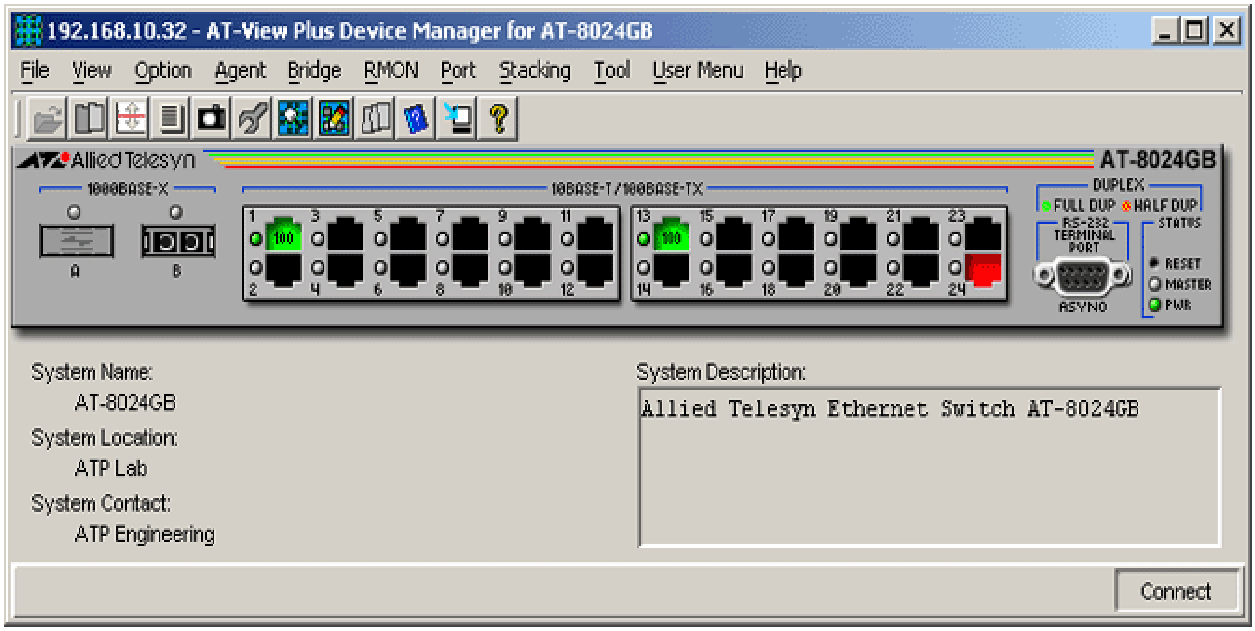
AT-8016F/SC



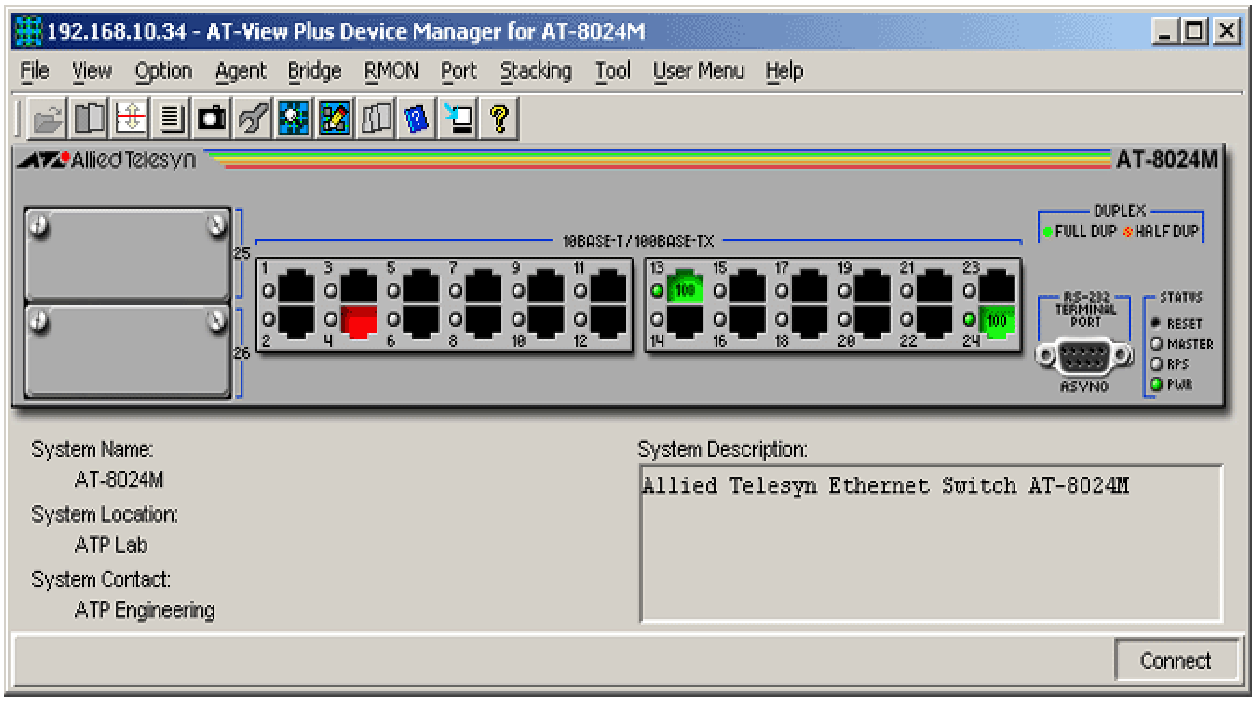
AT-8016F/ST



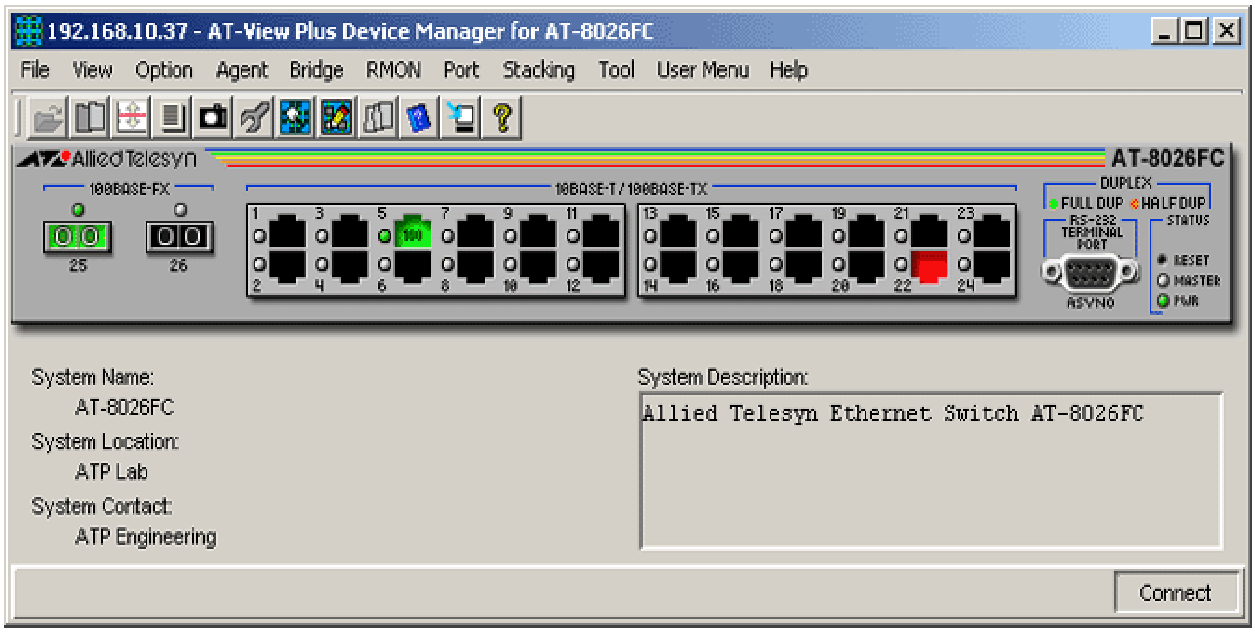
AT-8024



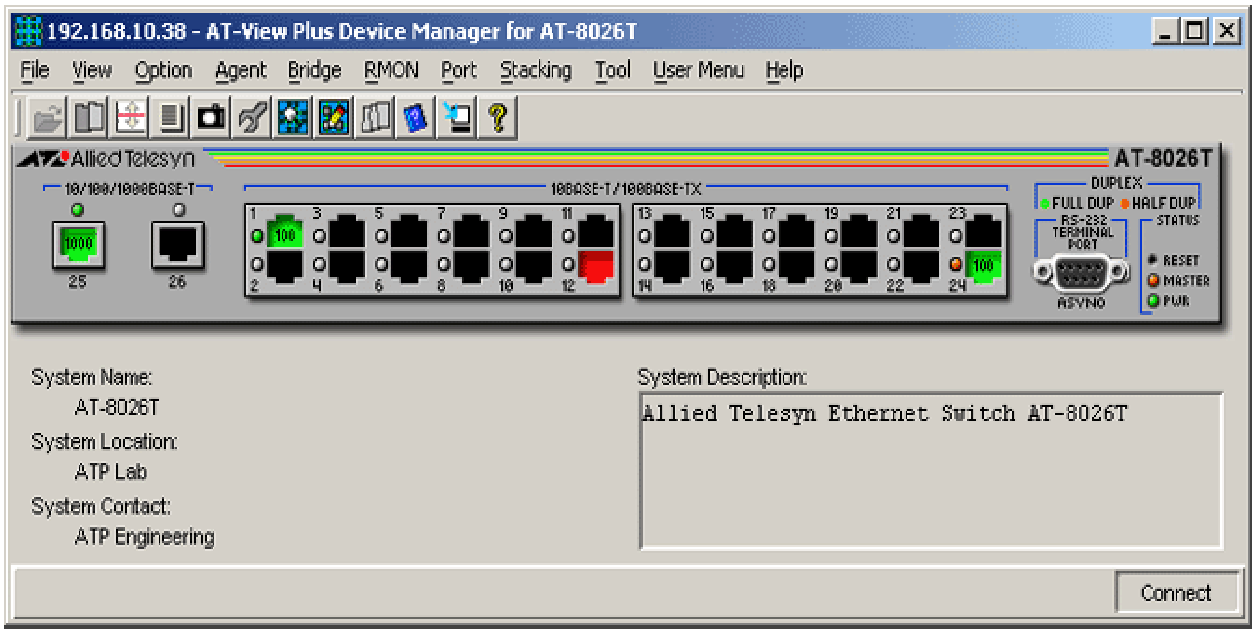
AT-8024GB



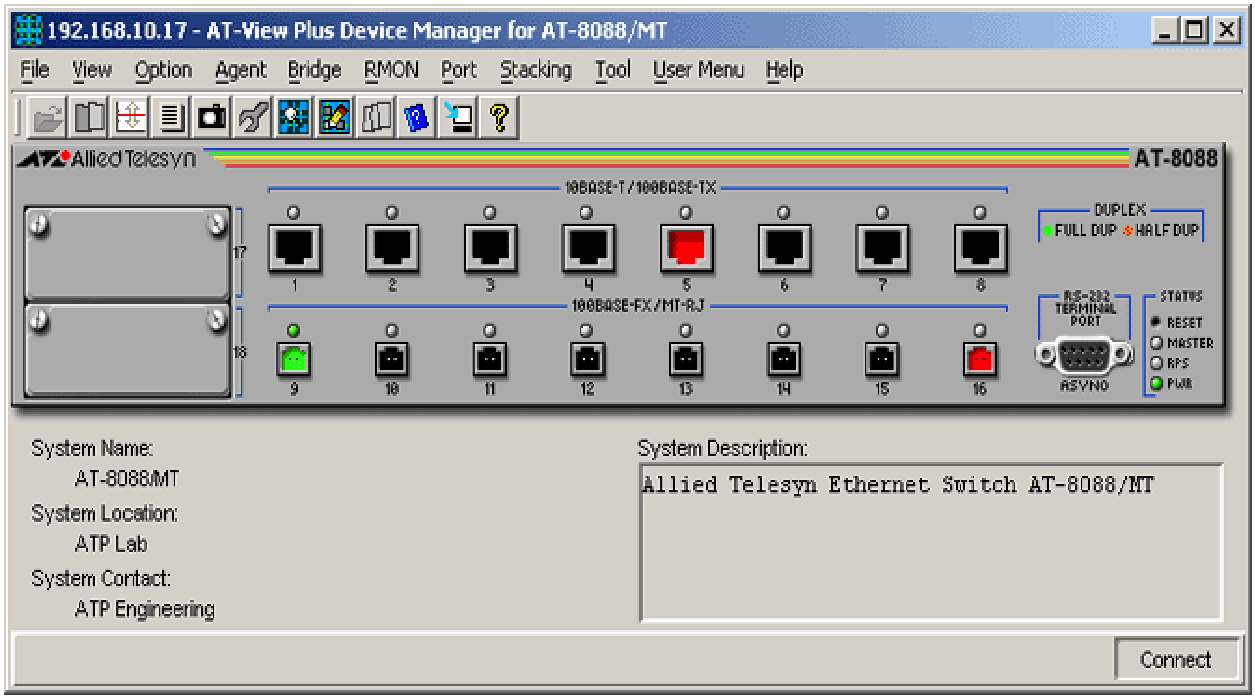
AT-8024M



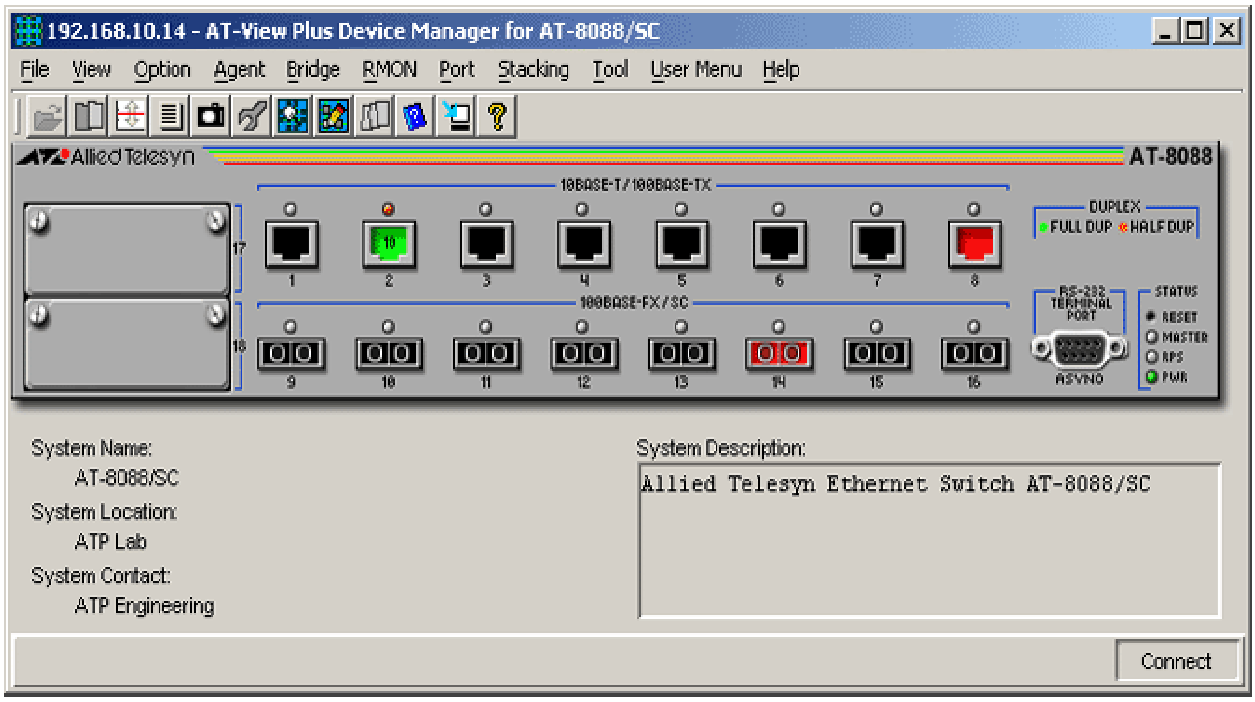
AT-8026FC



AT-8026T



AT-8088/MT



AT-8088/SC

Device Manager LEDs for AT-8000 Series

LED	State	Description
PWR	Green	The switch is receiving power.
MASTER	Orange	The switch is the master switch of an enhanced stack.
	Gray	The switch is a slave switch or is not a member of an enhanced stack.
DUPLEX	Green	The port is operating in full-duplex mode.
	Orange	The port is operating in half-duplex mode.

Note - Please refer to Uplink Modules for the operations and behavior of the expansion modules installed on these devices.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the RPS LED.

Note - When connecting to a slave switch, AT-View Plus Device Manager does not automatically replace the master switch image in the main window with the slave switch image. To view the slave switch image, click on the Refresh option under the Agent menu.

Note - AT-View Plus Device Manager will detect a loss of connection between an AT-8024GB and an AT-9410GB when the uplink port on both devices are set to the same speed and mode.

Note - Connection between an AT-8024GB and an AT-8324 can only be established if the uplink ports on both devices are configured to auto-negotiate.

Note - Setting the 'Active Protocol Version' to 'STP' and 'Spanning Tree Status' to 'enabled' will set the Port State parameter of disabled ports to 'blocking'. As a result, port images for disabled ports will turn yellow.

Note - Setting the 'Active Protocol Version' to 'RSTP' and 'Spanning Tree Status' to 'enabled' will set the Port State parameter of inactive ports and disabled ports to 'blocking'. As a result, port images for inactive ports and disabled ports will turn yellow.

Agent Menu

From the Agent menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - Attempting to set the System Contact, System Name, and System Location parameters to NULL will result in a general error. However, the parameters will still be temporarily set to NULL. Once the switch is restarted, the original values will be restored.

Note - The current firmware version accepts up to 40 characters for the System Contact, System Name and System Location parameters. However, specifying a value that is exactly 40 characters in length will result in an error message. This error message may be ignored as the value will still be set successfully.

Firmware Info

Displays firmware version.

Network Info

Displays network-related information such as the addresses of the default gateway and the agents.

Note - The current firmware version does not allow the Default Domain Name and the DNS Server parameters to be configured.

Manager Address Info

Displays the IP address of the management station.

Device Info

Displays general information about the switch.

MAC Address Table

Displays a list of static MAC addresses configured on the switch.

Note - MAC Address Table entries created through a local or telnet management session will not be visible to AT-View Plus Device Manager until the device is restarted.

Reset
Resets the switch.

Telnet
Starts a Telnet connection to the switch.

WEB Browser
Connects to the switch's HTTP server.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Note - The current firmware version accepts values in the range [10-1000000] inclusive for the Aging Time parameter.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Note - The current firmware version accepts values in the range [0-65535] inclusive for the Priority parameter regardless of the active spanning tree protocol version.

Statistics
Displays statistics about frames received/transmitted on the switch port.

RMON Menu

From the RMON menu you can view and edit the RMON MIB.

Statistics
Displays traffic statistics in the network segment attached to each port.

History Control Table
Displays the RMON History table.

Note - The current firmware version does not support the "historyControlTable" MIB object of RFC1757. As a result, AT-View Plus Device Manager displays the error message "Failed to get MIB data." when the History Control Table option is selected from the RMON menu.

Alarm Table
Displays the RMON Alarm table.

Event Table
Displays the RMON Event table.

Event Log
Displays the RMON Event log.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Note - Valid MIB Set values for the Administration Status parameter are 'up' and 'down'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Error Statistics
Displays error statistics.

Detail Info
Displays detailed port information such as duplex mode.

Note - Valid MIB Set values for the Port Flow Control parameter are 'disable', 'transmit-only', 'receive-only', and 'transmit-and-receive'. However, the current firmware version does not allow this parameter to be set to 'transmit-only' and 'receive-only' for the following ports:

- Expansion module ports
- GBIC ports on the AT-8024GB
- Fiber optic ports on the AT-8026FC
- 10/100/1000Base-T ports on the AT-8026T

Note - Valid MIB Set values for the Port State parameter are 'enabled' and 'disabled'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Note - The current firmware version accepts up to 20 characters for the Port Name parameter. Attempting to enter more than 20 characters will result in an error message and may append additional characters to the input value.

Spanning Tree Info

Displays the port's spanning tree parameters.

Note - Setting a port's Port parameter to 'disabled' does not automatically set the Port State parameter under Detail Info to 'disabled'. As a result, the port's image may not turn red as expected.

Note - The current firmware version accepts values in the range [0-255] inclusive for the Port Priority parameter regardless of the active spanning tree protocol version.

Note - The current firmware version accepts values in the range [0-65535] inclusive for the Port Path Cost parameter regardless of the active spanning tree protocol version.

Enable

Enables the port.

Note - Under the Sun Solaris platform, the AT-View Plus Device Manager application may terminate abnormally if multiple ports have been selected and each dialog box with the message "May I set 'atiswitchPortState.n' to up" is clicked one after the other.

Disable

Disables the port.

Note - Under the Sun Solaris platform, the AT-View Plus Device Manager application may terminate abnormally if multiple ports have been selected and each dialog box with the message "May I set 'atiswitchPortState.n' to down" is clicked one after the other.

Port Mirroring

Displays port mirroring parameters and allows configuration of port mirroring state, source, and destination.

Note - Valid MIB Set values for the Mirroring Destination Port parameter should range from 0 to 24. However, the current firmware version allows the user to enter values up to 65535. Attempting to enter values greater than 65535 will cause the new value to be converted to its equivalent wrap-around value; i.e., 65536 will become 0, 65537 will become 1, and so on.

Note - The current firmware version does not allow the Port Mirroring Status parameter to be set to 'receive' and 'transmit'. Attempting to do so will result in the error message: "The error occurred with 'Set' operation. Error: bad value".

Note - By default, the Port Mirroring Status parameter is set to 'disabled' and the Mirroring Destination Port parameter is set to 0. From this default state, the Port Mirroring Status parameter can be set to 'both' successfully. However, to set the Port Mirroring Status parameter back to 'disabled', the Mirroring Destination Port parameter must be set to a non-zero value.

Note - Any change made to the Mirroring Source Ports parameter while the Mirroring Destination Port parameter is set to 0 will take effect internally but will not be reflected in

the MIB variable window. To see the change reflected in the MIB variable window, the Mirroring Destination Port parameter should be set to a non-zero value.

Stacking Menu

From the Stacking menu, you can perform enhanced stacking from any AT-8000 Series master switch.

Stacking Info

Displays information about the switch's mode. This is also the menu where you can perform enhanced stacking.

Note - For the Stack Switch Model parameter, additional characters appear after the model name for discovered AT-8524M, AT-9424T/SP and AT-9424T/GB devices.

Expansion Module Notes

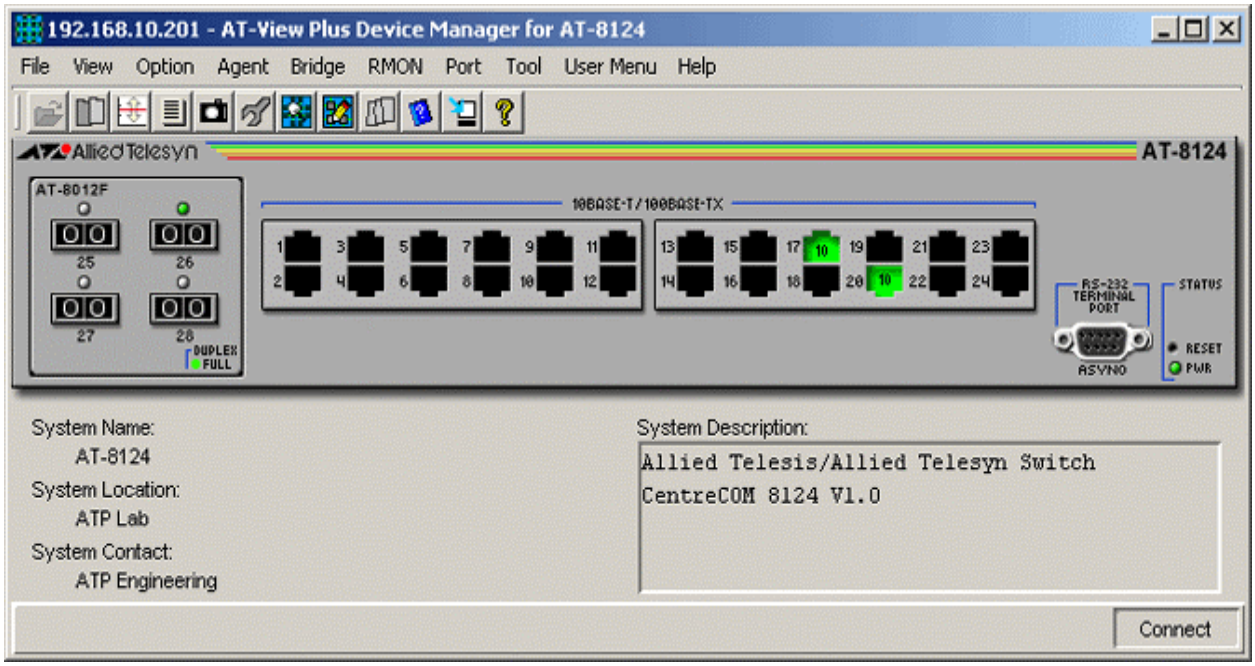
- AT-View Plus Device Manager cannot distinguish between the AT-A45/xx, AT-A47, and AT-STACKM expansion modules. All are displayed with the same GIF image.
- When both the AT-A45 and AT-A46 expansion modules are present on a device, the AT-A45 port image may show up as green and its Port Speed parameter may reflect the value "1 Gbps" even if there is no connection established on the port. To reflect the correct port image color and port speed, restart the device. This applies to the following devices:
    - AT-8016F/xx
    - AT-8024M
    - AT-8088/xx
- The Spanning Tree Protocol (STP) does not work for the AT-A46 expansion module when it is installed on an AT-8016F/ST device. As a result, the Port State parameter of the AT-A46 expansion module port will never be set to 'blocking' and the port image will never turn yellow.
- Connection between an AT-A47 expansion module port that is configured to operate at 1Gbps full duplex and a port on another device can only be established if the port on the other device is configured to auto-negotiate.
- For the AT-A47 expansion module, AT-View Plus Device Manager will only display the AT-A45/AT-A47/AT-STACKM shared GIF image if a GBIC module is present in the GBIC slot.
- By default, the Port Speed and Mode parameter of the AT-A47 expansion module port is set to 'auto sense'. From this mode, the Port Speed and Mode can only be changed to '1Gbps full-duplex'. However, once set to '1Gbps full-duplex', it can no longer be set to 'auto sense'.

AT-8124

This section describes AT-View Plus Device Manager menus and operations specific to the AT-8124 switch.

Topics:

Main Window



AT-8124

Device Manager LEDs for AT-8124		
LED	**State**	**Description**
PWR	Green	The switch is receiving power.
DUPLEX	Green	The port is operating in full-duplex mode.
	Gray	The port is operating in half-duplex mode.

Agent Menu

From the Agent menu, you can view and edit the system information for the device or log into the CLI using telnet.

System Info
Displays basic system information, including system name, location, contact and description.

Network Info
Displays network-related information such as the device's IP address, and the default gateway address.

Firmware Info
Displays the version of the software running on the managed device.

Manager Address Info
Displays the management station's IP address.

Reset
Resets the switch.

Hot Reset
Performs a software reset. This takes less time than a Cold Reset.

Cold Reset
Performs a hardware reset. This takes more time than a Hot Reset.

Telnet
Connects to the switch's Telnet service.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

RMON Menu

From the RMON menu you can view and edit the RMON MIB.

Note - Since there may be a large quantity of RMON data, it may take some time for the information to appear.

Statistics
Displays traffic statistics about the network segment attached to each port.

History Control Table
Displays the RMON History table.

Alarm Table
Displays the RMON Alarm table.

Event Table
Displays the RMON Event table.

Event Log
Displays the RMON Event log.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Detail Info
Displays port traffic statistics such as the number of frames received/transmitted on the port.

Error Statistics
Displays error information.

Detail Status
Displays detailed port information such as duplex mode.

Spanning Tree Info
Displays the port's spanning tree parameters.

Enable
Enables the port.

Disable

Disables the port.

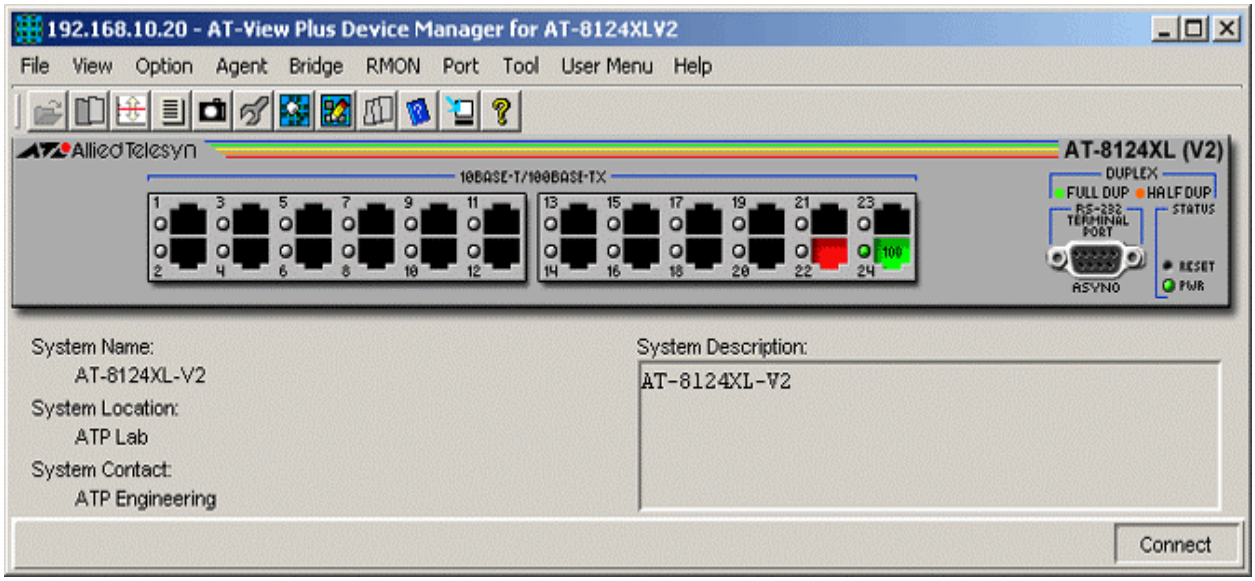
AT-8124

AT-8124XL (V2)

This section describes AT-View Plus Device Manager menus and operations specific to the AT-8124XL (V2) switch.

Topics:

Main Window



AT-8124XL (V2)

Device Manager LEDs for AT-8124XL (V2)		
LED	**State**	**Description**
PWR	Green	The switch is receiving power.
DUPLEX	Green Orange	The port is operating in full-duplex mode. The port is operating in half-duplex mode.

Agent Menu

From the Agent menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

Note - AT-View Plus Device Manager allows the user to enter up to 255 characters for the System Contact, System Name, and System Location parameters but truncates them to 64 characters. NULL values are not accepted.

Firmware Info
Displays firmware version.

Network Info
Displays network-related information such as the addresses of the default gateway and the agents.

DHCP Info
Displays DHCP information including the DHCP System Group and DHCP Timer Group.

Manager Address Info
Displays the IP address of the management station.

Reset
Resets the switch.

Telnet
Starts a Telnet connection to the switch.

WEB Browser
Connects to the switch's HTTP server.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch's ports.

RMON Menu

From the RMON menu you can view and edit the RMON MIB.

Statistics
Displays traffic statistics in the network segment attached to each port.

History Control Table
Displays the RMON History table.

Alarm Table
Displays the RMON Alarm table.

Event Table
Displays the RMON Event table.

Event Log
Displays the RMON Event log.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Note - Valid MIB Set values for the Administration Status parameter are 'up' and 'down'. All other values are ignored.

Detail Info
Displays detailed port information such as duplex mode.

Note - Enabling/Disabling the Port STP Configuration parameter for one port enables/disables STP for all ports.

Note - Attempting to modify the Port Speed and Mode parameter from 'auto sense' to '1Gbps half-duplex' or '1Gbps full-duplex' will result in the following:

- An error message: "The error occurred with 'Set' operation. Error: gen Error"
- Port Speed and Mode parameter value changing to '100Mbps half-duplex'.

Note - The current firmware version does not allow the Port Bridge ID parameter to be configured. Attempting to configure this parameter will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Note - When a port is set to 'auto sense' and is connected to a half duplex port on another device, its corresponding Duplex LED on the device image turns green instead of orange.

Note - The current firmware version does not allow the Port Back Pressure parameter to be configured. Attempting to configure this parameter will result in the error message: "The error occurred with 'Set' operation. Error: time out occurred."

Note - The Port Transmit Pacing Configuration parameter is not applicable to the AT-8124XL (V2).

Note - The current firmware version does not allow the Port VLAN Tag Priority and the Port QoS Priority parameters to be configured. Attempting to configure these parameters will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Note - Valid MIB Set values for the Port State parameter are 'enabled' and 'disabled'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value.".

Spanning Tree Info
Displays the port's spanning tree parameters.

Enable
Enables the port.

Disable
Disables the port.

Port Mirroring
Displays port mirroring parameters and allows configuration of port mirroring state, source, and destination.

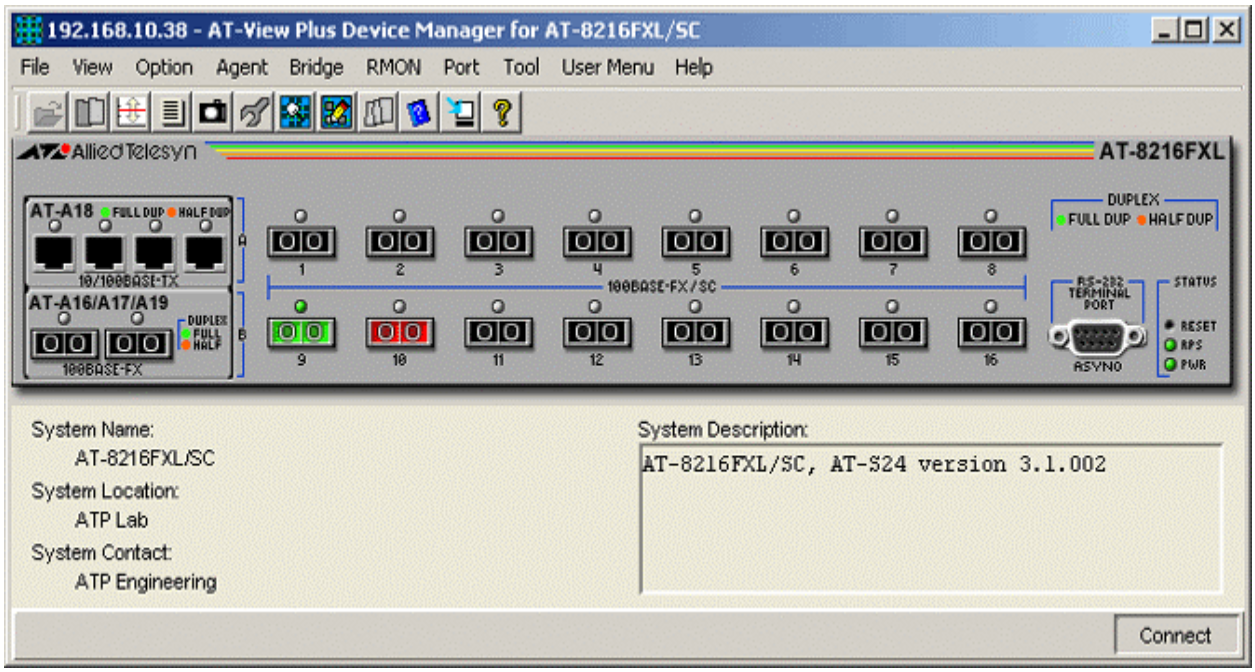
IGMP Snooping
Displays the current state of IGMP Snooping and allows reconfiguration.

AT-8200XL Series

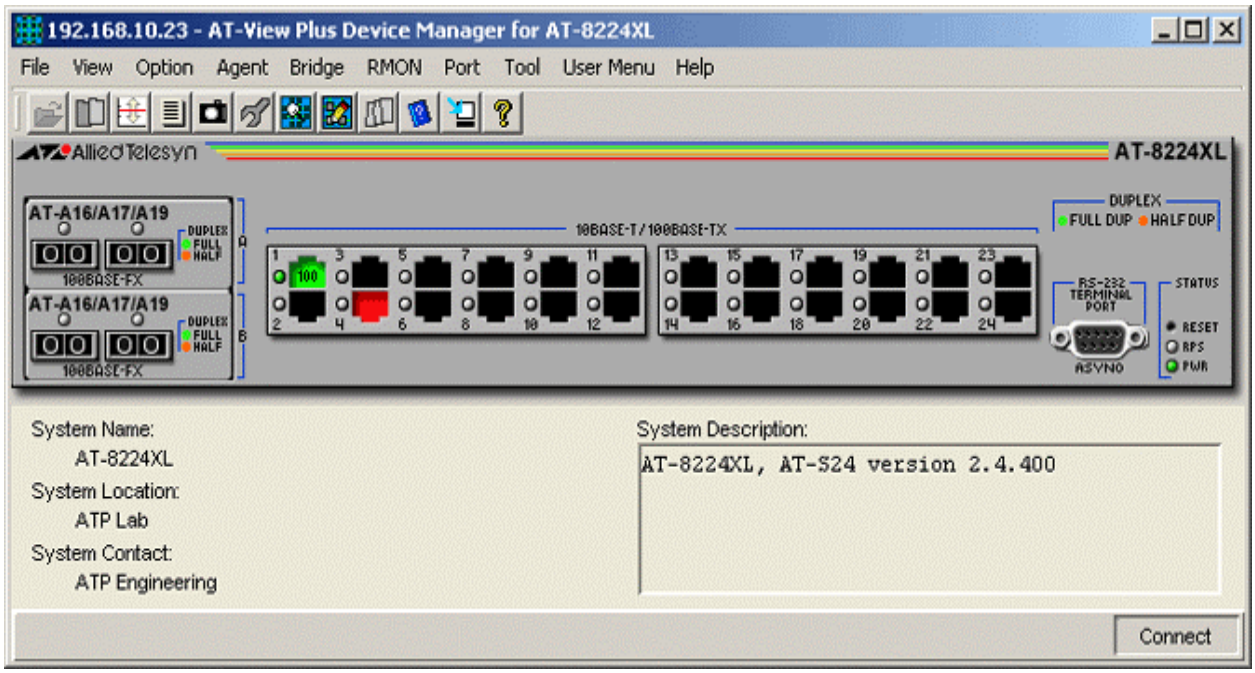
This section describes AT-View Plus Device Manager menus and operations specific to the AT-8216FXL/SC and AT-8224XL switches.

Topics:

Main Window



AT-8216FXL/SC



AT-8224XL

Device Manager LEDs for AT-8200XL Series		
LED	**State**	**Description**
PWR	Green	The switch is receiving power.
RPS	Green Gray	An optional redundant power supply is connected to the switch. There is no redundant power supply connected to the switch.
DUPLEX	Green Orange	The port is operating at full-duplex mode. The port is operating at half-duplex mode.

Note - Please refer to Uplink Modules for the operations and behavior of the expansion modules installed on these devices.

Agent Menu

From the Agent menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - The current firmware version allows the user to enter up to 64 characters for the System Contact and the System Location parameters and up to 20 characters for the System Name parameter.

Note - The current firmware version appends a period '.' and the value of the Default Domain Name parameter to the value of the System Name parameter.

Firmware Info
Displays the firmware version of the switch.

Network Info
Displays network-related information such as the addresses of the default gateway and the agents.

Manager Address Info
Displays the IP address of the management station.

Device Info
Displays general information about the switch.

Note - The Security Action parameter has a fixed value of 'do nothing' and cannot be modified.

Note - The Security Configuration parameter has a fixed value of 'disabled' and cannot be modified.

Note - Valid MIB Set values for the HOL Configuration and Logging Configuration parameters are 'on' and 'off'. Attempting to set these parameters to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value".

Note - Valid MIB Set values for the QoS Configuration parameter are:

- mode 1
- mode 2
- mode 3
- mode 4
- mode 5
- mode 6
- mode 7
- mode 8

Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value".

DHCP Info
Displays the DHCP information about the switch.

Diagnostics
Displays the operating status of the switch's components such as power supply and system fans.

Note - The current firmware version returns 'non-supported' for the following parameters:

- Fan Speed 3
- 3.3V Power
- 2.5Va Power
- 2.5Vb Power
- 2V Power
- CPU Temperature

Reset
Resets the switch.

Console Settings
Displays the current settings of the console.

Telnet
Starts a Telnet connection to the switch.

WEB Browser
Connects to the switch's HTTP server.

Note - The current firmware version is unable to display the AT-8216FXL/SC device image in the Omega web management session interface.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Bridge Info
Displays basic bridge information such as the LAN ID, bridge address, number of parts controlled by the bridging entity and the bridge type.

Forwarding Database
Displays the Forwarding Database table.

Note - The current firmware version does not allow the VLAN Name parameter to be configured. Attempting to configure this parameter will result in the error message: "The error occurred with 'Set' operation. Error: noSuchName."

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

RMON Menu

From the RMON menu you can view and edit the RMON MIB.

Statistics
Displays traffic statistics in the network segment attached to each port.

History Control Table
Displays the RMON History table.

Alarm Table
Displays the RMON Alarm table.

Event Table
Displays the RMON Event table.

Event Log
Displays the RMON Event log.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Note - Valid MIB Set values for the Administration Status parameter are 'up' and 'down'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Error Statistics
Displays error statistics.

Detail Info
Displays detailed port information such as duplex mode.

Note - The Port Flow Control parameter has a fixed value of 'not supported' and cannot be modified.

Note - When the Port Speed and Mode parameter of an AT-8224XL fixed port is set to 'auto sense' and the port is connected to a full duplex port on another device, its corresponding Duplex LED on the device image turns orange instead of green.

Note - The current firmware version allows active ports to be disabled. However, the disabled ports' Port Link State parameter retains the value 'on-line'.

Note - Valid MIB Set values for the Port State parameter are 'enabled' and 'disabled'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Note - Attempting to configure the Port Speed and Mode parameter of an AT-8216FXL/SC fixed port to '10Mbps half-duplex' or '10Mbps full-duplex' will automatically set it to '100Mbps half-duplex' or '100Mbps full-duplex' respectively.

Note - The following parameters are not applicable to the AT-8200XL Series:

- Port Transmit Pacing Configuration
- Port MDI Configuration
- Port VDSL Rate Configuration
- Port VDSL Link Mode

Spanning Tree Info
Displays the port's spanning tree parameters.

Enable
Enables the port.

Disable
Disables the port.

Port Mirroring
Displays the information about port mirroring.

Expansion Module Notes

- When the Port Speed and Mode parameter of an AT-A14 expansion module port is set to 'auto sense' and the port is connected to a 100Mbps full duplex port on another device, its corresponding Duplex LED on the device image turns orange instead of green.
- The current firmware version does not allow the Port Speed and Mode parameter of the AT-A14 expansion module port to be set to any value other than 'auto-sense'.
- A GBIC image is always visible on the GBIC slot of the AT-A15 expansion module image even if there is no GBIC physically present in the slot.
- The Port Speed and Mode parameter of an AT-A15 expansion module port must match the duplex mode of the port to which it is connected in order to establish connection.
- The current firmware version does not allow AT-View Plus Device Manager to distinguish the AT-A16, AT-A17, and AT-A19 expansion modules from each other. With the connector type (VF-45, SC, MT-RJ) being the only difference among them, all three expansion modules have been made to share the same GIF image.
- Attempting to configure the Port Speed and Mode parameter of an AT-A16/AT-A17/AT-A19 expansion module port to '10Mbps half-duplex' or '10Mbps full-duplex' will automatically set it to '100Mbps half-duplex' or '100Mbps full-duplex' respectively.

- The current firmware version does not allow the Port Speed and Mode parameter of the AT-A17 expansion module ports to be set to 'auto sense'.
- When the Port Speed and Mode parameter of an AT-A18 expansion module port is set to 'auto sense' and the port is connected to a full duplex port on another device, its corresponding Duplex LED on the device image turns orange instead of green.

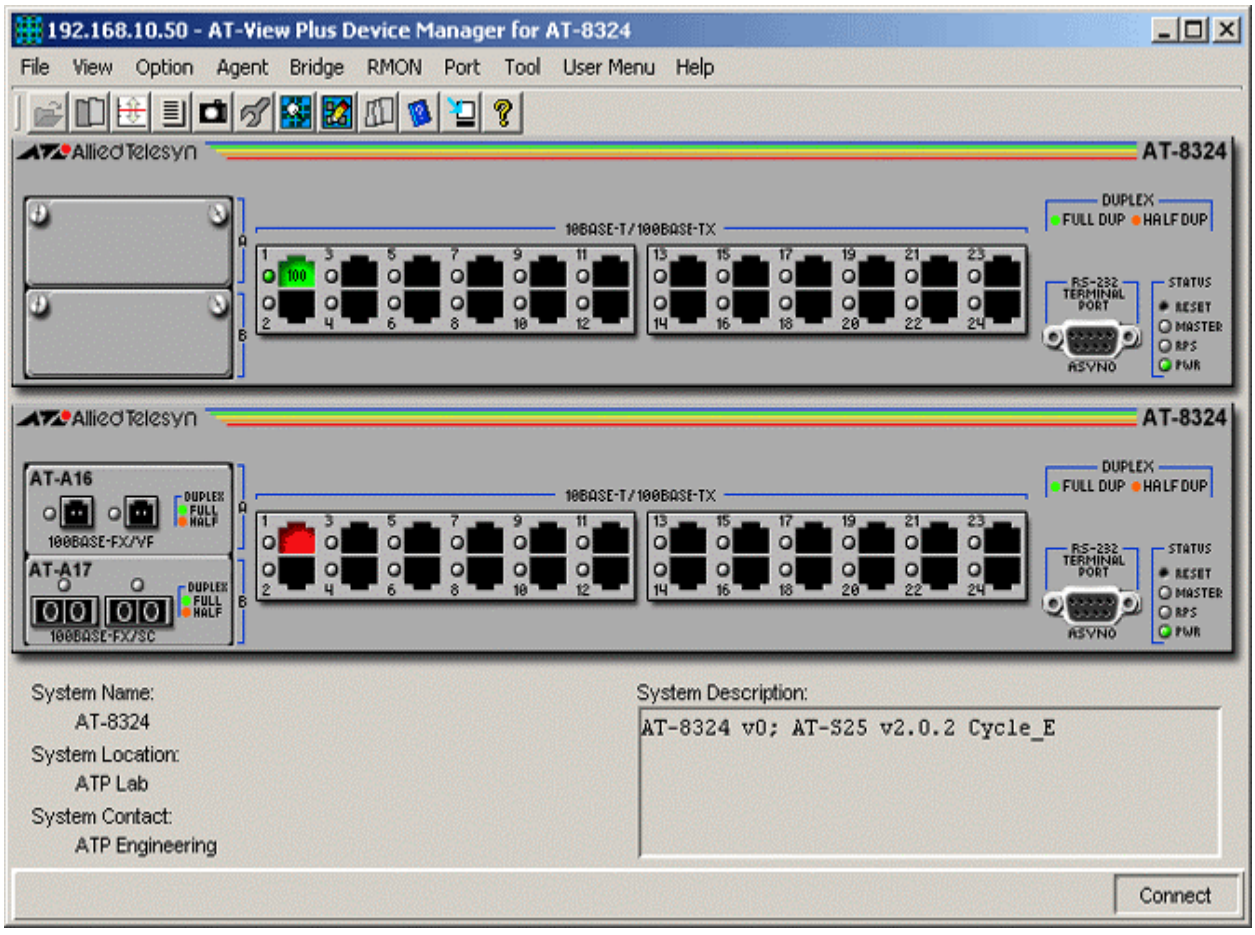
AT-8200XL Series

AT-8324

This section describes AT-View Plus Device Manager menus and operations specific to the AT-8324 switch.

Topics:

Main Window



AT-8324

Supports up to 8 stacked AT-8324 switches.

Device Manager LEDs for AT-8324		
LED	**State**	**Description**
PWR	Green	The switch is receiving power.
DUPLEX	Green Orange	The port is operating in full-duplex mode. The port is operating in half-duplex mode.

Note - Please refer to Uplink Modules for the operations and behaviour of the expansion modules installed on these devices.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the RPS and MASTER LEDs.

Note - When a port is configured to auto-negotiate, the current firmware version does not always update its Port Duplex Status parameter with the correct negotiated mode. As a result, the port's Duplex LED may show up as green when it should really be orange and vice-versa.

Agent Menu

From the Agent menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info
: Displays basic system information, including system name, location, contact and description.

  Note - Attempting to enter more than 39 characters for the System Contact, System Name, and System Location parameters will result in the error message: "The error occurred with 'Set' operation. Error: gen Error".

Network Info
: Displays network-related information such as the addresses of the default gateway and the agents.

Manager Address Info
: Displays the IP address of the management station.

Device Info
: Displays information of the device such as Product Type, Port Count and Uplink Types for all switches in the stack.

Reset
: Resets the switch.

Telnet
Starts a Telnet connection to the switch.

WEB Browser
Connects to the switch's HTTP server.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because of lack memory or the entry's aging timer has expired.

Note - The current firmware version accepts values in the range [8-512] inclusive for the Aging Time parameter. However, if the value entered is not a multiple of 8, the firmware will convert it to the largest multiple of 8 less than the entered value.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Note - When STP/RSTP is enabled, the current firmware version sets the Port State parameter of all inactive ports to 'blocking'. As a result, inactive ports will turn yellow in AT-View Plus Device Manager.

Note - When enabling/disabling STP/RSTP, connection to the AT-8324 is temporarily lost. As a result, the following error message appears: "The error occurred with 'Set' operation. Error: time out occurred." This will not affect the application in any way.

Statistics
Displays statistics about frames received/transmitted on the switch's ports.

RMON Menu

From the RMON menu you can view and edit the RMON MIB.

Statistics
Displays traffic statistics in the network segment attached to each port.

History Control Table
Displays the RMON History table.

Note - The current firmware version is unable to retrieve the correct information for the History Control Table. As a result, the following error message appears: "Failed to get MIB data."

Alarm Table
Displays the RMON Alarm table.

Event Table
Displays the RMON Event table.

Event Log
Displays the RMON Event log.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the following features:

- Spanning Tree Info
- Class of Service
- IGMP Snooping

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Note - The Port Type parameter returns '???(62)'.

Note - Valid MIB Set values for the Administration Status parameter are 'up' and 'down'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: gen Error."

Error Statistics
Displays error statistics.

Detail Info
Displays detailed port information such as duplex mode.

Note - The current firmware version accepts from 0 up to 19 characters for the Port Name parameter.

Note - The current firmware version (AT-S25 v2.0.2) supports atiStackSwitch.mib v1.0. However, AT-View Plus Device Manager supports atiStackSwitch.mib v2.10. As a result, the following additional port parameters will appear:

- Port MDIO
- Port HOL Limit
- Port Back Pressure Limit
- Port STP State

These parameters are defined in v2.10 but will return 'noSuchName.' because they do not exist in v1.0.

Note - The current firmware version does not allow the Port State parameter to be set to 'enabled'. Attempting to do so will result in the error message: "The error occurred with 'Set' operation. Error: bad value." To enable a port, click on the Enable option under the Port menu.

Note - 4 ports are allotted for each expansion module slot. This means that ports on expansion modules will always be numbered starting from 25 if inserted in Slot A and from 29 if inserted in Slot B. As a result, the Detail Info MIB variable window for port numbers that do not have corresponding physical ports on the expansion module inserted will display 'noSuchName.' for all parameters.

Enable

Enables the port.

Note - The current firmware version (AT-S25 v2.0.2) supports atiStackSwitch.mib v1.0 while AT-View Plus Device Manager supports atiStackSwitch.mib v2.10. In v1.0, the Port State parameter has 6 possible states with the enabled state having an ordinal value of 3. In v2.10, the Port State parameter has only 2 possible states with the enabled state having an ordinal value of 1. Since AT-View Plus Device Manager continues to use the ordinal value 3, which does not exist in v2.10, the confirmation message will appear as "May I set up 'atiStkSwPortState.x.y' to '???(3)'?" However, clicking on the OK button will still enable the port successfully. This is because the actual Set operation is performed on the device whose firmware supports v1.0 and thus, recognizes the ordinal value 3.

Disable

Disables the port.

Port Mirroring

Displays port mirroring parameters and allows configuration of port mirroring state, source, and destination.

Expansion Module Notes

- Expansion module ports cannot be enabled/disabled. Attempting to do so will result in the error message: "The error occurred with 'Set' operation. Error: gen Error".
- The Port Speed and Mode parameter of the 100/1000Base-T port on the AT-A14 expansion module can only be set to 'auto'. Attempting to set this to any other value will result in the error message: "The error occurred with 'Set' operation. Error: gen Error".
- A GBIC image is always visible on the GBIC slot of the AT-A15 expansion module even if there is no GBIC physically inserted.
- The Port Speed and Mode parameter of the 1000Base-X port on the AT-A15 expansion module can only be set to '1Gbps full-duplex'. Attempting to set this to any other value will result in the error message: "The error occurred with 'Set' operation. Error: gen Error".
- The Port Speed and Mode parameter of the 100Base-FX port on the AT-A16, AT-A17, and AT-A19 expansion modules can only be set to '100Mbps full-duplex'. Attempting to set this to any other value will result in the error message: "The error occurred with 'Set' operation. Error: gen Error".

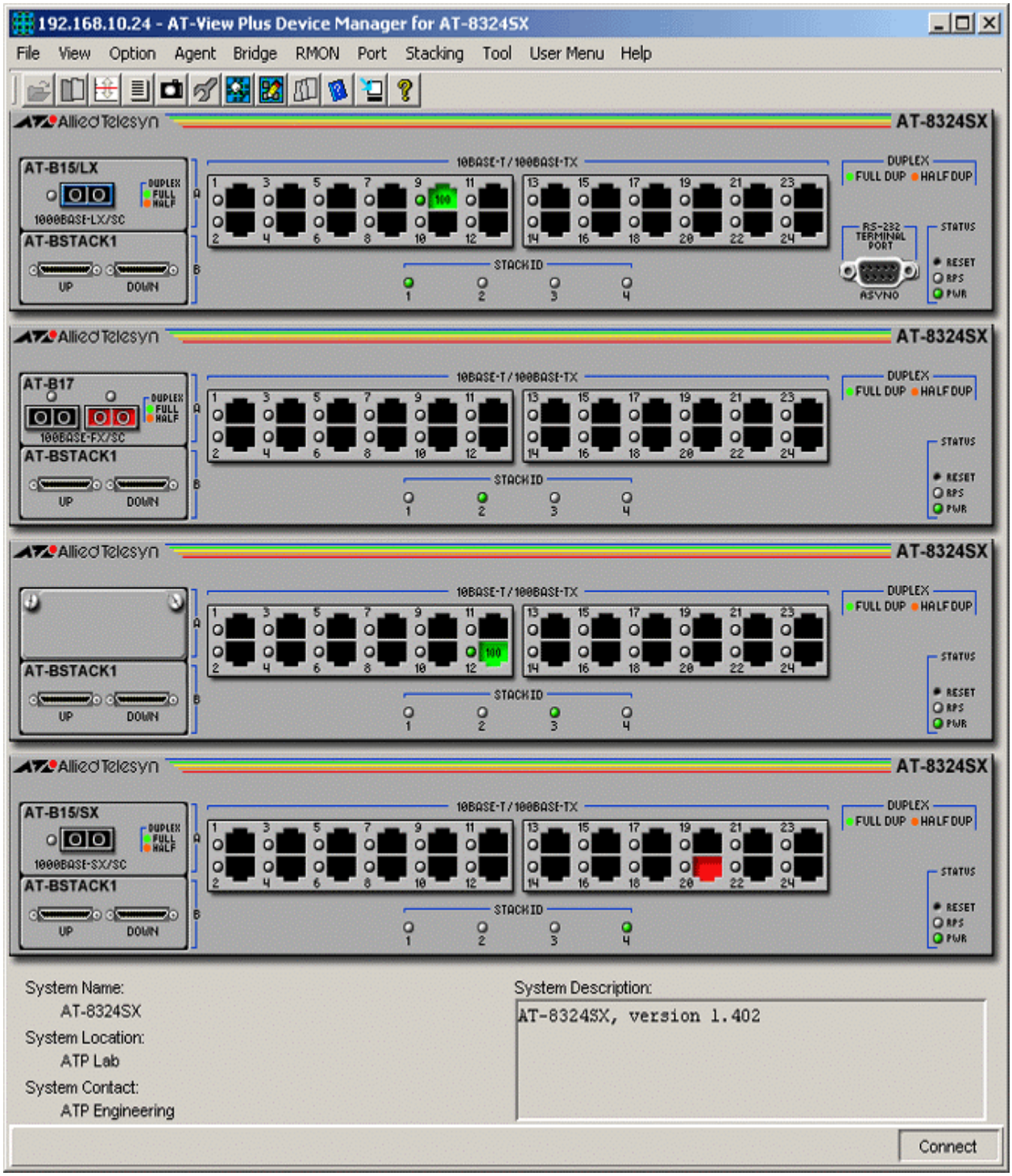
AT-8324

AT-8324SX

This section describes AT-View Plus Device Manager menus and operations specific to the AT-8324SX switch.

Topics:

Main Window



AT-8324SX

Supports up to 4 stacked switches.

Device Manager LEDs for AT-8324SX		
LED	**State**	**Description**
PWR	Green	The switch is receiving power.
RPS	Green Gray	Redundant power is ON. Redundant power is OFF.
DUPLEX	Gray Orange	The port is operating in full-duplex mode. The port is operating in half-duplex mode.
STACK ID	Green	The switch's position in the switch stack.

Note - When multiple units of AT-8324SX are stacked together, port numbering is continuous. This means that the first unit on the stack will have ports numbered from 1 to 32. The second unit on the stack will have ports numbered from 33 to 64. The third unit will have ports numbered from 65 to 96 and the fourth unit from 97 to 128. It is assumed that the maximum number of ports per unit is 32, 24 fixed ports plus up to 8 uplink ports.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - AT-View Plus Device Manager allows the user to enter up to 255 characters for the System Contact, System Name, and System Location parameters.

TFTP Download Management

Displays TFTP information.

Note - AT-View Plus Device Manager allows the user to enter up to 80 characters for the TFTP File Name parameter but truncates it to 47 characters.

Note - AT-View Plus Device Manager does not allow the user to set the Download Mode parameter to 'temporary'. Attempting to do so will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Reset

Displays the reset table that allows you to configure reset parameters before restarting the management agent.

Telnet
Starts a Telnet connection to the switch.

WEB Browser
Connects to the switch's HTTP server.

Bridge Menu

From the Bridge menu, you can view and edit bridge information, such as the forwarding database and spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Note - Valid MIB Set values for the Aging Time parameter should range from 10 to 412. However, the current firmware version allows it to be set to a value greater than 412 all the way up to 1000000.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch's ports.

RMON Menu

From the RMON menu, you can view and edit the RMON mib.

Statistics
Displays traffic statistics in the network segment attached to each port.

History Control Table
Displays the RMON history table.

Alarm Table
Displays the RMON alarm table.

Event Table
Displays the RMON event table.

Event Log
Displays the RMON event log.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Note - The current firmware version does not allow Port Menu to support the Class of Service.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Note - Valid MIB Set values for the Administration Status parameter are 'up' and 'down'. Attempting to set this parameter to any other value will result in the following error message: "The error occurred with 'Set' operation. Error: bad value." This will not affect the application in any way.

Error Statistics
Displays error statistics.

Detail Info
Displays detailed port information such as duplex mode.

Note - The current firmware version does not support port naming.

Note - When the Port Speed and Mode parameter of a fixed port is set to 'auto sense', the current firmware version is unable to provide information on the negotiated mode of the port. As a result, the port's Duplex LED may show up as green when it should really be orange and vice-versa.

Note - Valid MIB Set values for the Port Speed and Mode parameter of the AT-B17 expansion module ports are '100Mbps full-duplex' or '100Mbps half-duplex'. Attempting to set this to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value".

Note - Valid MIB Set values for the Port Speed and Mode parameter of the AT-B15 expansion module port are 'auto sense', '1Gbps full-duplex' or '1Gbps half-duplex'. Attempting to set this to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value".

Note - The Module ID and Port Number parameters return 'noSuchName'.

Spanning Tree Info
Displays the port's spanning tree parameters.

Enable
Enables the port.

Disable
Disables the port.

Port Mirroring
Displays port mirroring parameters and allows configuration of port mirroring state, source, and destination.

IGMP Snooping
Displays the current state of IGMP Snooping and allows reconfiguration.

Note - Valid MIB Set values for the IGMP Report Delay parameter should range from 5 to 30. However, the current firmware version does not allow it to be set to a value greater than 10. Attempting to do so will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Stacking Menu

From the Stacking menu, you can view basic switch information as well as stacking information.

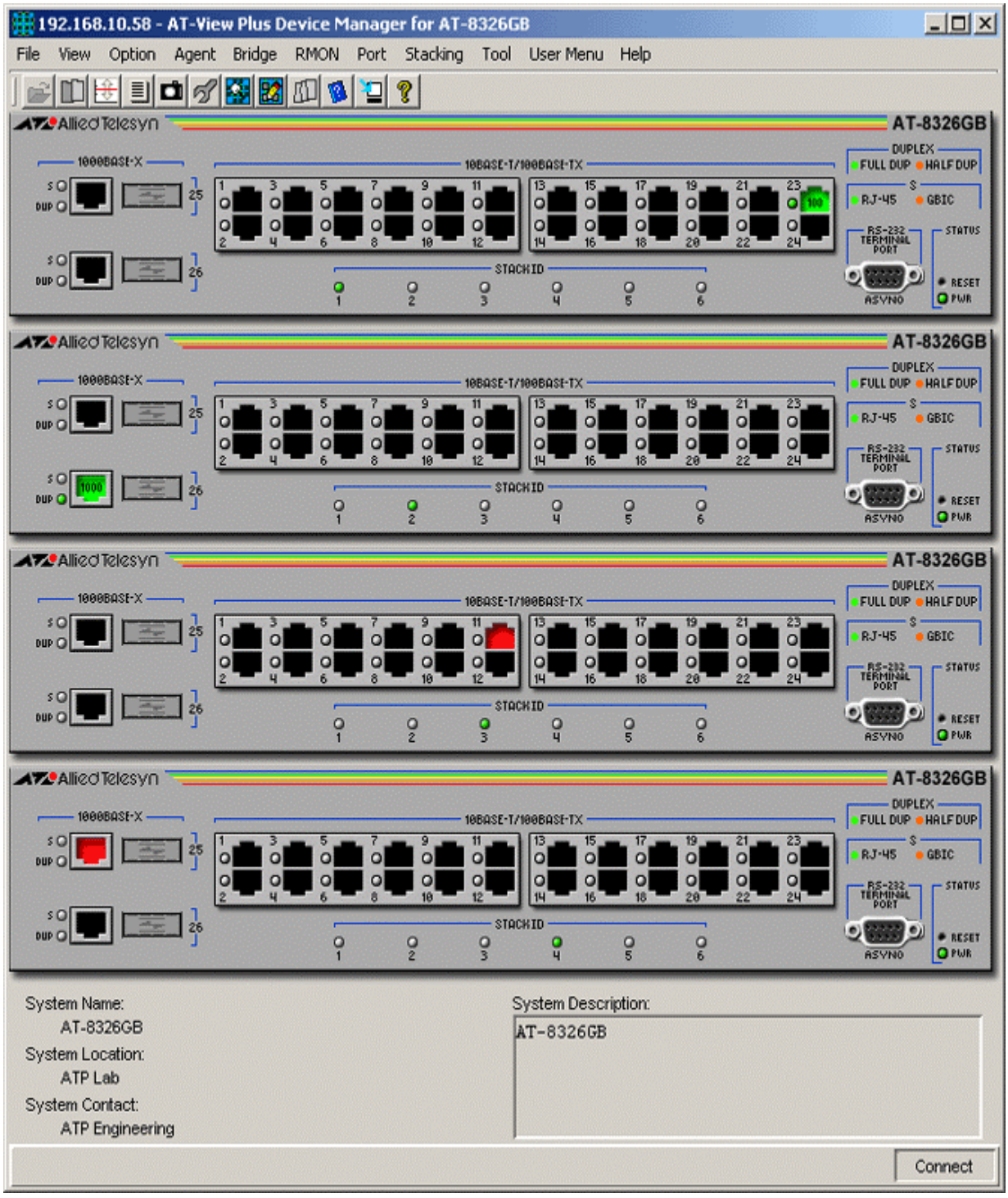
Stacking Info
Displays information such as Hardware Version, Firmware Version, Expansion Slot, and Role In System for all switches in the stack.

AT-8300GB Series

This section describes AT-View Plus Device Manager menus and operations specific to the AT-8300GB Series.

Topics:

Main Window

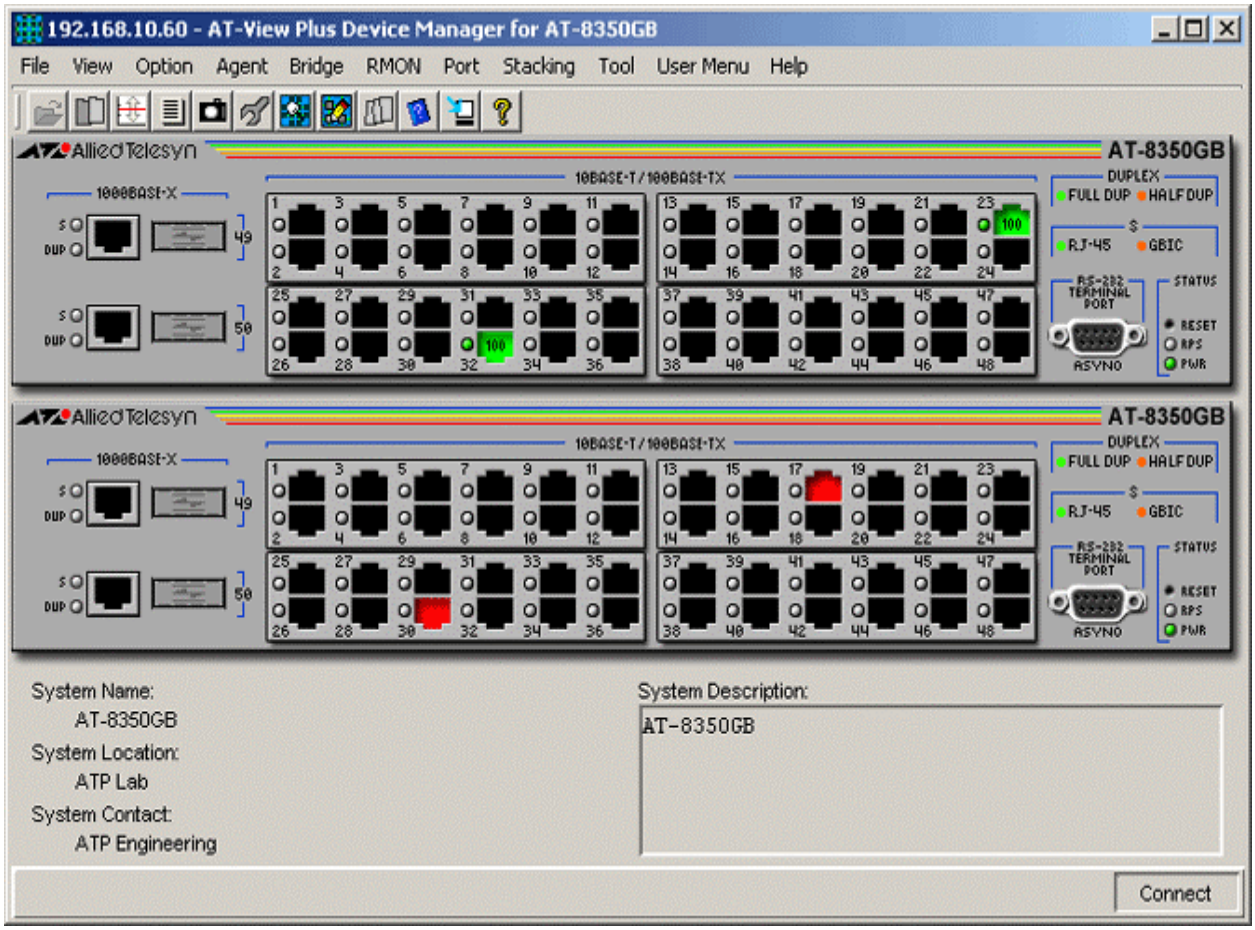


AT-8326GB

The AT-8326GB supports up to 6 AT-8326GB stacked switches or any of the following mixed stack combinations of AT-8326GB and AT-8350GB switches:

- Two AT-8326GB switches and one AT-8350GB switch
- Two AT-8326GB switches and two AT-8350GB switches
- Three AT-8326GB switches and one AT-8350GB switch
- Four AT-8326GB switches and one AT-8350GB switch

Note - When 3 or more AT-8326GB devices are stacked together, expect the twisted pair port image of Port 26 on the last device on the stack to turn green. This is because the current firmware version returns 'on-line' for the Port Link State parameter of the port even if there is no link established.



AT-8350GB

The AT-8350GB supports up to 3 stacked AT-8350GB switches.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the RPS LED.

Note - The current firmware version does not allow AT-View Plus Device Manager to support expansion modules that may be installed on the AT-8350GB.

Device Manager LEDs for AT-8300GB Series		
LED	**State**	**Description**
PWR	Green	The switch is receiving power.
STACK ID	Green	The switch's position in the switch stack.
DUPLEX	Green Orange	The port is operating in full-duplex mode. The port is operating in half-duplex mode.

Note - Status information for the gigabit ports will always be reflected on the RJ-45 gigabit port images regardless of whether the gigabit ports have been set to operate as GBIC ports or as Twisted Pair ports.

Note - When Global STP is enabled, the current firmware version sets the Port State parameter of inactive ports to 'blocking'. As a result, expect port images for inactive ports to turn yellow in AT-View Plus Device Manager.

Note - The current firmware version does not allow AT-View Plus Device Manager to detect the presence or absence of a GBIC module in any of the GBIC slots. As a result, the GBIC slots on the device image will remain empty regardless of whether or not GBIC modules are physically present in the slots.

Agent Menu

From the Agent menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - The current firmware version does not allow multiple-word values for the System Name parameter.

Note - AT-View Plus Device Manager allows the user to enter up to 255 characters for the System Contact, System Name and System Location parameters but the current firmware version truncates them to 64 characters.

Firmware Info

Displays the version of the software running on the managed device.

Network Info

Displays network-related information such as the device IP address and the default gateway address.

Note - The current firmware version does not save changes made to the DNS Server and the Default Domain Name parameters.

DHCP Info
Displays DHCP information including the DHCP System Group and DHCP Timer Group.

Manager Address Info
Displays the IP address of the management station.

Reset
Resets the switch.

Telnet
Starts a Telnet connection to the switch.

WEB Browser
Connects to the switch's HTTP server.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because of lack of memory or the entry's aging timer has expired.

Note - The current firmware version accepts values in the range [10-1000000] inclusive for the Aging Time parameter.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch's ports.

RMON Menu

From the RMON menu you can view and edit the RMON MIB.

Statistics
Displays traffic statistics in the network segment attached to each port.

History Control Table
Displays the RMON History table.

Alarm Table
Displays the RMON Alarm table.

Event Table
Displays the RMON Event table.

Event Log
Displays the RMON Event log.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Note - Valid MIB Set values for the Administration Status parameter are 'up' and 'down'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: gen Error."

Detail Info
Displays detailed port information such as duplex mode.

Note - The Port Transmit Pacing Configuration parameter is not applicable to the AT-8300GB Series.

Note - The Port VLAN Tag Priority parameter has a fixed value of 'use vlan priority' and cannot be modified.

Note - The current firmware version does not allow the Port Bridge ID parameter to be configured. Attempting to configure this parameter will result in the error message: "The error occurred with 'Set' operation. Error: bad value".

Note - When a port's Port Speed and Mode parameter is set to 'auto sense', the current firmware version does not update its Port Duplex Status parameter with the negotiated mode. As a result, the port's Port Duplex Status parameter will always display 'auto sense' and its corresponding Duplex LED will always be green regardless of the actual connection mode.

Note - The Port Name parameter is not applicable to the AT-8300GB Series.

Note - Valid MIB Set values for the Port State parameter are 'enabled' and 'disabled'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Spanning Tree Info
Displays the port's spanning tree parameters.

Enable
Enables the port.

Disable
Disables the port.

QoS
Displays QoS parameters and allows enabling of QoS status and setting priority queue.

Port Mirroring
Displays port mirroring parameters and allows configuration of port mirroring state, source and destination.

IGMP Snooping
Displays the current state of IGMP Snooping and allows reconfiguration.

Stacking Menu

From the Stacking menu, you can view basic switch information as well as stacking information.

Stacking Info
Displays information such as Product Type, Port Count, and Uplink Types for all switches in the stack.

Note - The Uplink Port A MDA Type and Uplink Port B MDA Type parameters return incorrect values.

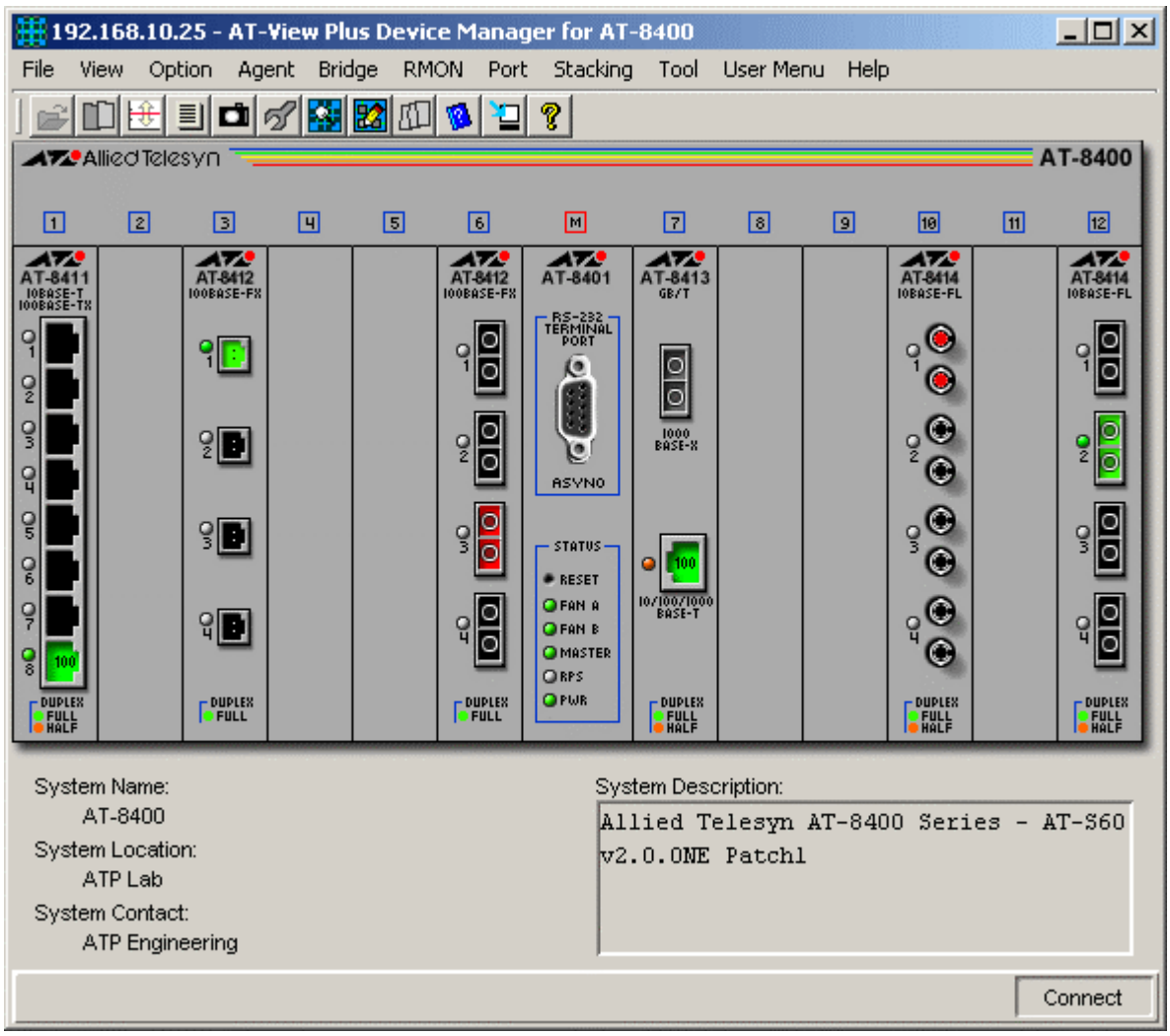
Note - The Security Action parameter returns '???(0)' when the Security Configuration parameter is set to 'disabled'.

AT-8400

This section describes AT-View Plus Device Manager menus and operations specific to the AT-8400 switch.

Topics:

Main Window



AT-8400

Device Manager LEDs for AT-8401 Management Module		
LED	**State**	**Description**
FAN A	Green Gray	FAN TRAY A is installed and is operating correctly. FAN TRAY A is not installed.
FAN B	Green Gray	FAN TRAY B is installed and is operating correctly. FAN TRAY B is not installed.
MASTER	Green Gray	The switch is the master of an enhanced stack. The switch is either a slave switch of an enhanced stack or the switch is not a member of an enhanced stack.
RPS	Green Gray	The switch is receiving power from the redundant power supply (PWR B). The switch is receiving power from the main power supply (PWR A).
PWR	Green Gray (Only if RPS is installed)	The switch is receiving power from the main power supply (PWR A). The main power supply is not functioning.

Note - Please refer to AT-8400 Line Cards for the operations and behavior of the line cards installed on the chassis.

Note - The FAN A and FAN B LEDs are always green regardless of whether or not fan trays are actually installed.

Note - The PWR LED is always green and the RPS LED is always gray regardless of whether the switch is receiving power from the main power supply or the redundant power supply.

Note - Some parameters, when configured, may at times cause a temporary loss of connection. When this happens, the following error message appears: "The error occurred with 'Set' operation. Error: time out occurred.". This will not affect the application in any way.

Agent Menu

From the Agent menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info
: Displays basic system information, including system name, location, contact and description.

Network Info

Displays network-related information such as the addresses of the default gateway and the agents.

Note - The current firmware version does not allow the DNS Server and Default Domain Name parameters to be configured. Attempting to configure these parameters will result in the error message: "The error occurred with 'Set' operation. Error: gen Error.".

Chassis Info

Displays chassis information including the firmware information.

Note -The current firmware version does not allow the Power A Status and Power B Status parameters to be configured. Attempting to configure these parameters will result in the error message: "The error occurred with 'Set' operation. Error: gen Error.".

Line Card Info

Displays information for each line card including line card type and line card temperature.

MAC Address Table

Displays a list of static MAC address configured on the switch.

Note - Valid MIB Set values for the MAC Address Entry Status parameter are 'active', 'not in service' and 'destroy'. Attempting to set this parameter to any other value will result in error message: "The error occurred with 'Set' operation. Error: bad value".

Reset

Resets the switch.

Telnet

Starts a Telnet connection to the switch.

WEB Browser

Connects to the switch's HTTP server.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database

Displays the Forwarding Database table.

Note - It may take some time to retrieve Forwarding Database information. As a result, all the Forwarding Database parameters may reflect the value 'retry over occurred'. To avoid this, click on File -> Property -> Polling options and set the Polling Interval parameter to 25 seconds or longer.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as spanning tree status and spanning tree version.

Note - When setting the Spanning Tree Status parameter to 'enabled', connection to the AT-8400 is temporarily lost. As a result, the following error message appears: "The error occurred with 'Set' operation. Error: time out occurred.".

Note - Setting the value of the Spanning Tree Version parameter to 'stp' will result in a permanent loss of connection. To re-establish connection, restart the device.

Statistics
Displays statistics about frames received/transmitted on the switch's ports.

Note - Ports are numbered continuously from top to bottom, across all installed line cards, starting from the leftmost line card all the way through the rightmost line card.

RMON Menu

From the RMON menu you can view and edit the RMON MIB.

Statistics
Displays traffic statistics in the network segment.

History Control Table
Displays the RMON History table.

Note - The current firmware version does not support the "historyControlTable" MIB object of RFC1757. As a result, AT-View Plus Device Manager displays the error message "Failed to get MIB data." when the History Control Table option is selected from the RMON menu.

Alarm Table
Displays the RMON Alarm table.

Event Table
Displays the RMON Event table.

Event Log
Displays the RMON Event log.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Note - Ports are numbered continuously from top to bottom, across all installed line cards, starting from the leftmost line card all the way through the rightmost line card. This applies to the following submenu options:

- Utilization
- Interface Info -> Standard
- Error Statistics -> Standard
- Spanning Tree Info

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Note - Valid MIB Set values for the Administration Status parameter are 'up' and 'down'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value.".

Error Statistics
Displays error statistics such as alignment error frames and carrier sense errors.

Detail Info
Displays detailed port information such as duplex mode.

Note - The current firmware version does not allow the Port Name parameter to be set to NULL. Attempting to set this parameter to NULL will result in the error message: "The error occurred with 'Set' operation. Error: bad value.".

Spanning Tree Info
Displays the port's spanning tree parameters.

Note - The current firmware version does not allow the Port parameter to be configured. Attempting to configure this parameter will result in the error message: "The error occurred with 'Set' operation. Error: readOnly".

Port Security
Displays the port security attributes for each physical port present in the switch.

Enable
Enables the port.

Disable

Disables the port.

Port Mirroring

Displays port mirroring parameters and allows configuration of port mirroring state and port's source list.

Note - Valid MIB Set values for the Port Mirroring Configuration Entry Status parameter are 'active', 'not in service' and 'destroy'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value.".

Stacking Menu

From the Stacking menu, you can view basic switch information as well as stacking information.

Stacking Info

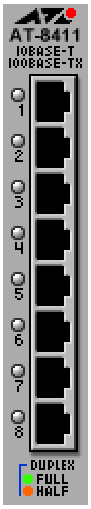
Displays information such as Stack Switch ID, Stack Switch MAC Address, Stack Switch Name, Stack Switch Mode, Stack Switch Software Version and Stack Switch Model for all switches in the stack.

AT-8400

AT-8400 Line Cards

This section describes the AT-8400 Line Cards supported by AT-View Plus Device Manager. If line cards are installed on the AT-8400 chassis at the time AT-View Plus Device Manager is called, they will be displayed in their corresponding slots on the chassis image.

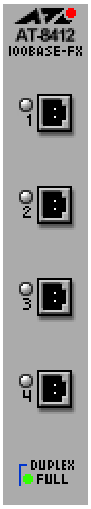
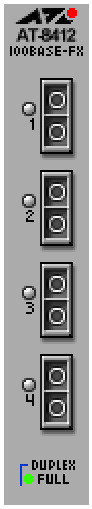
AT-8411

AT-8411


LED	State	Description
DUPLEX	Green	The port is operating in full-duplex.
	Orange	The port is operating in half-duplex.

Note - When a port on the AT-8411 line card is configured to auto-negotiate and is connected to a 10/100 Mbps full-duplex port on another device, the current firmware version returns the value 'half-duplex' for the Port Duplex Status parameter. As a result, the Duplex LED turns orange instead of green.

AT-8412

AT-8412/MT	AT-8412/SC
	

LED	State	Description
DUPLEX	Green	The port is operating in full-duplex.

Note - The current firmware version does not allow the Port Flow Control parameter of ports on the AT-8412/MT and AT-8412/SC line cards to be set to 'auto'. Attempting to set this parameter to 'auto' will result in the error message: "The error occurred with 'Set' operation. Error: gen Error".

AT-8413

AT-8413GB/T

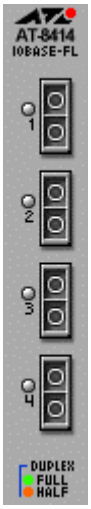

LED	State	Description
DUPLEX	Green	The port is operating in full-duplex.
	Orange	The port is operating in half-duplex.

Note - A GBIC image is always visible on the GBIC slot of the AT-8413GB/T line card image even if there is no GBIC physically present in the slot.

Note - Status information for the AT-8413GB/T ports will always be reflected on the RJ-45 port image regardless of whether the port that is in actual use is the GBIC port or the twisted pair port.

Note - When the 10/100/1000Base-T port of the AT-8413GB/T line card is configured to auto-negotiate and is connected to a 10/100Mbps full-duplex port on another device, the current firmware version returns the value 'half-duplex' for the Port Duplex Status parameter. As a result, the Duplex LED turns orange instead of green.

AT-8414

AT-8414/SC	AT-8414/ST
	

LED	State	Description
DUPLEX	Green	The port is operating in full-duplex.
	Orange	The port is operating in half-duplex.

Note - The Port Negotiation parameter of ports on the AT-8414/SC and AT-8414/ST line cards has a fixed value of '10Mbps full-duplex' and cannot be modified.

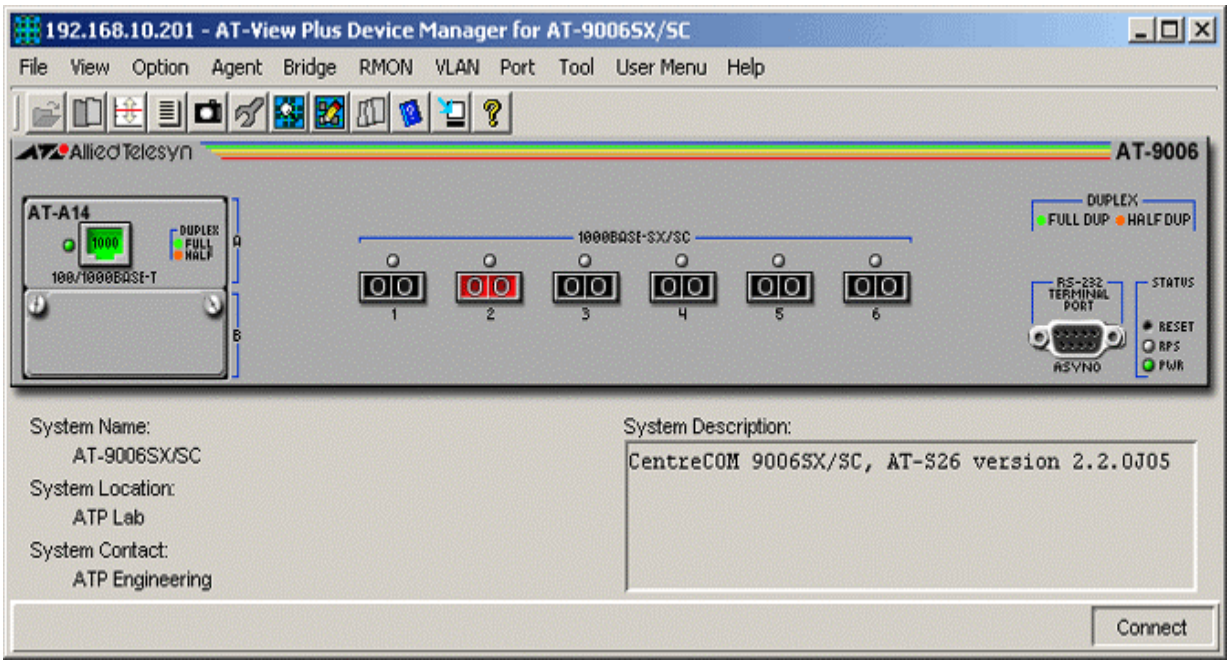
AT-8400 Line Cards

AT-9006 Family

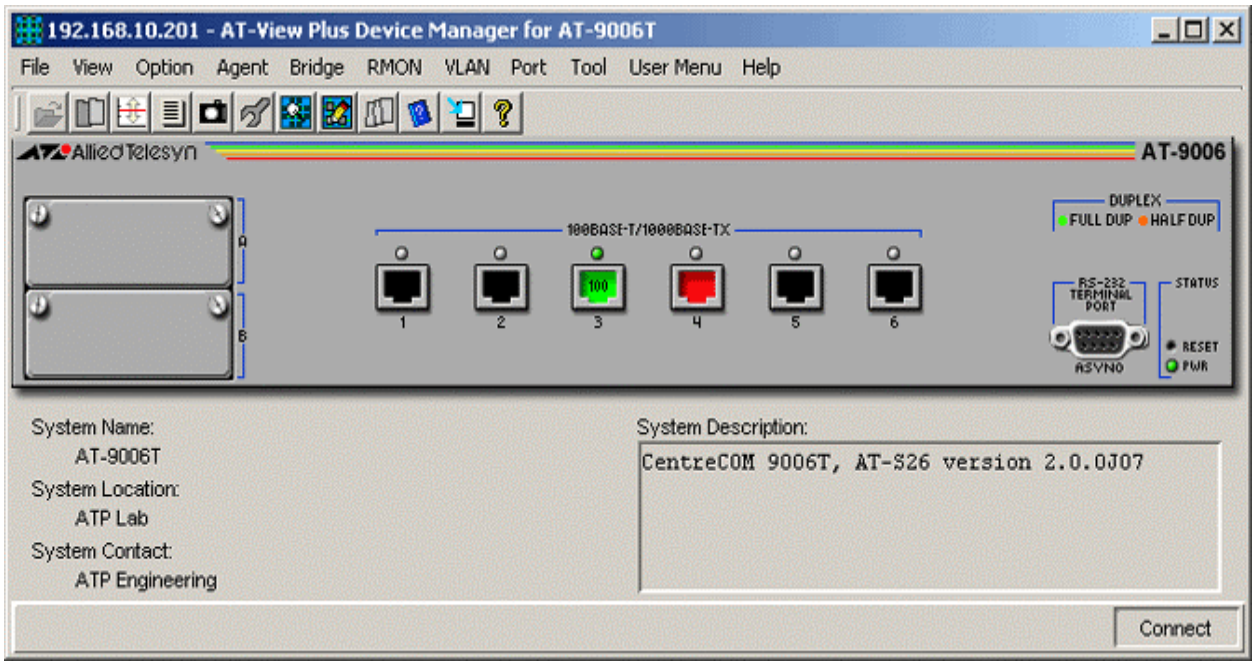
This section describes AT-View Plus Device Manager menus and operations specific to the AT-9006SX/SC and AT-9006T switches.

Topics:

Main Window



AT-9006SX/SC



AT-9006T

Device Manager LEDs for AT-9006 Family		
LED	**State**	**Description**
PWR	Green	The switch is receiving power.
RPS	Green	An optional redundant power supply is connected to the switch.
	Gray	There is no redundant power supply connected to the switch.
DUPLEX	Green	The port is operating in full-duplex mode.
	Orange	The port is operating in half-duplex mode.

Note - Ports on the expansion modules are numbered starting from 7. Slot A's leftmost port has the smallest number and Slot B's rightmost port has the largest number.

Agent Menu

From the Agent menu, you can view and edit the system information for the device, or log into the CLI using telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Firmware Info

Displays firmware version.

Network Info
Displays network-related information such as agent's and default gateway address.

Manager Address Info
Displays management station's IP address.

Reset
Reset the switch.

Telnet
Connect to the switch's telnet service.

Bridge Menu

From the Bridge menu, you can view and edit information such as forwarding database and spanning tree status.

Forwarding Database
Displays forwarding database table.

Discard/Aging Time Info
Displays information about number of address entry that was learned but discarded because of the reason such as memory shortage and entry's aging time.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics of frames received/transmitted on the switch port.

RMON Menu

From the RMON menu, you can view and edit RMON MIB.

Note - Since RMON data may be large, it may take some time for information to appear.

Statistics
Displays trafic statistics in the network segment attached to each port.

History Control Table
Displays RMON History table.

Alarm Table
Displays RMON Alarm table.

Event Table
Displays RMON Event table.

Event Log
Displays RMON Event log.

VLAN Menu

From the VLAN menu, you can view the list of VLAN and member ports.

Note - You cannot modify VLAN configuration on the AT-9006 Family using the VLAN menu.

Name List
Displays configured VLAN names.

Port Info
Displays VLAN to which the port belongs.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays port's utilization information.

Interface Info
Displays port statistics such as number of frames received/transmitted on the port, bytes received/transmitted on the port and port status.

Error Statistics
Displays error statistics.

Detail Info
Displays detailed port information such as duplex mode, speed, spanning tree protocol status and switching mode.

Spanning Tree Info
Displays port's spanning tree parameters.

Enable
Enables the port.

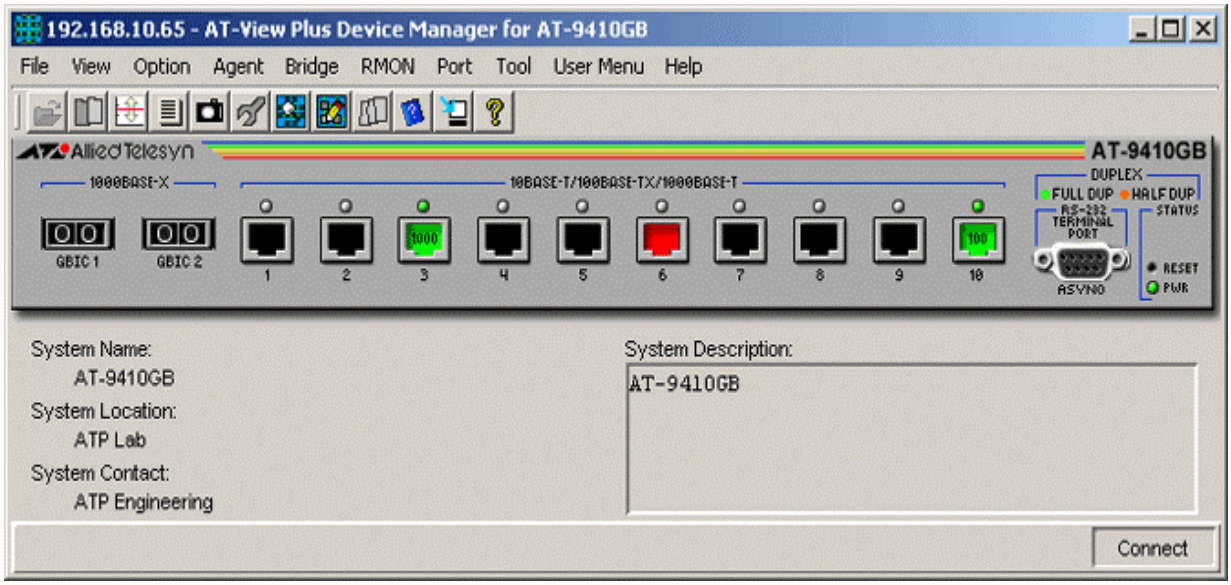
Disable
Disables the port.

AT-9410GB

This section describes AT-View Plus Device Manager menus and operations specific to the AT-9410GB switch.

Topics:

Main Window



AT-9410GB

Device Manager LEDs for AT-9410GB		
LED	**State**	**Description**
PWR	Green	The switch is receiving power.
DUPLEX	Green	The port is operating at full-duplex mode.
	Orange	The port is operating at half-duplex mode.

Note - When Global STP is enabled, the current firmware version sets the Port State parameter of inactive ports to 'blocking'. As a result, expect port images for inactive ports to turn yellow in AT-View Plus Device Manager.

Note - When a port on the AT-9410GB is set to 'auto sense' and is connected to a half-duplex port on another device, its corresponding Duplex LED on the device image turns green instead of orange.

Note - A GBIC image is always visible on each of the GBIC slots of the device image even if there are no GBICs physically inserted.

Agent Menu

From the Agent menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - The current firmware version does not allow the user to enter multiple-word values for the System Name parameter.

Note - AT-View Plus Device Manager allows the user to enter up to 255 characters for the System Contact, System Name, and System Location parameters but truncates them to 64 characters.

Firmware Info

Displays firmware version.

Network Info

Displays network-related information such as the addresses of the default gateway and the agents.

Note - The current firmware version does not save changes made to the DNS Server and the Default Domain Name parameters.

Manager Address Info

Displays the IP address of the management station.

Device Info

Displays general information about the switch.

Note - The Security Action parameter returns '???(0)' when the Security Configuration parameter is set to 'disabled'.

DHCP Info

Displays DHCP information including the DHCP System Group and DHCP Timer Group.

Reset

Resets the switch.

Telnet
Starts a Telnet connection to the switch.

WEB Browser
Connects to the switch's HTTP server.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Bridge Info
Displays basic bridge information such as the LAN ID, bridge address, number of ports and the bridge type.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Note - The current firmware version accepts values in the range [10-1000000] inclusive for the Aging Time parameter.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch's ports.

RMON Menu

From the RMON menu you can view and edit the RMON MIB.

Statistics
Displays traffic statistics in the network segment attached to each port.

History Control Table
Displays the RMON History table.

Alarm Table
Displays the RMON Alarm table.

Event Table
Displays the RMON Event table.

Event Log
Displays the RMON Event log.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Note - Valid MIB Set values for the Administration Status parameter are 'up' and 'down'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: gen Error."

Error Statistics
Displays error statistics.

Detail Info
Displays detailed port information such as duplex mode.

Note - The Port Name parameter is not applicable to the AT-9410GB.

Note - The current firmware version does not allow the Port VLAN Tag Priority parameter to be configured. Attempting to configure this parameter will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Note - The Port Transmit Pacing Configuration parameter is not applicable to the AT-9410GB.

Note - AT-View Plus Device Manager allows the user to disable an active port. However, the disabled port's Port Link State parameter retains the value 'on-line'.

Note - When connection is established between a twisted pair port that is configured to auto-negotiate and a port on another device that is configured to operate at 10/100Mbps full/half duplex, expect the link to drop when the twisted pair port's speed and mode is changed to match the speed and mode of the port on the other device.

Note - Valid MIB Set values for the Port State parameter are 'enabled' and 'disabled'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Spanning Tree Info
Displays the port's spanning tree parameters.

Enable
Enables the port.

Disable
Disables the port.

QoS
Displays QoS parameters and allows enabling of QoS status and setting priority queue.

Port Mirroring
Displays port mirroring parameters and allows configuration of port mirroring state, source and destination.

IGMP Snooping
Displays the current state of IGMP Snooping and allows reconfiguration.

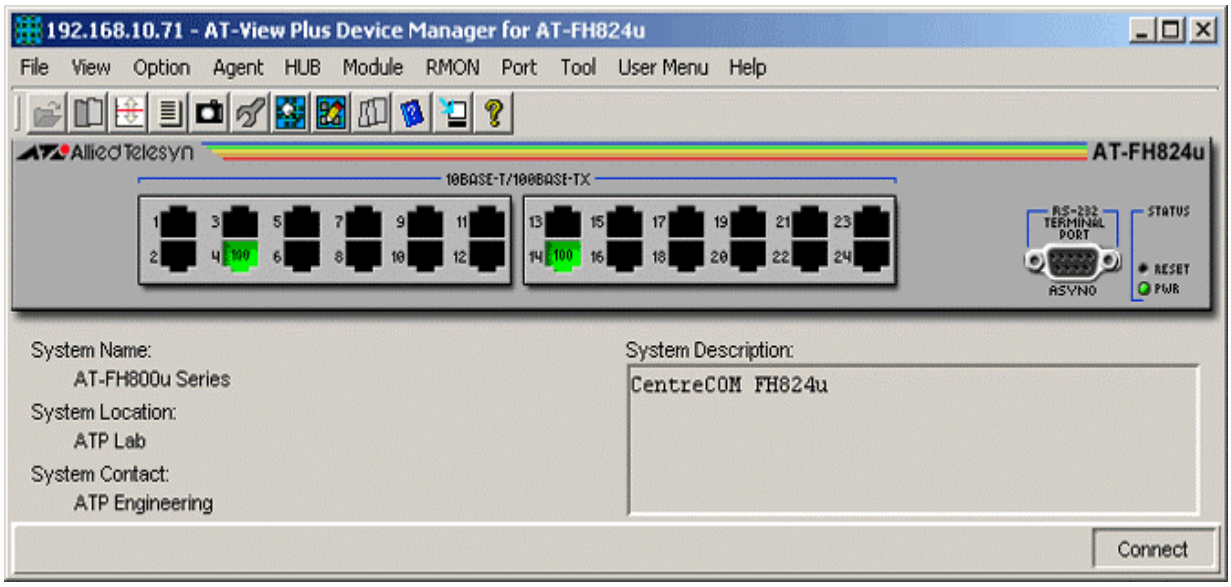
AT-9410GB

AT-FH800u

This section describes AT-View Plus Device Manager menus and operations specific to the AT-FH812u and AT-FH824u hubs.

Topics:

Main Window



AT-FH800u Series

Device Manager LEDs for AT-FH800u		
LED	**State**	**Description**
PWR	Green	The hub is receiving power.

Agent Menu

From the Agent menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

Network Info
Displays network-related information such as the device's IP address, and the default gateway address.

Note - The current firmware version returns 'noSuchName' for the following parameters:
- Server Slip Address
- Host Slip Address
- Temporary Server Slip Address
- Temporary Host Slip Address

Firmware Info
Displays the version of the software running on the managed device.

Manager Address Info
Displays the management station's IP address.

Note - The current firmware version does not allow the Status parameter to be set to 'under change'. Attempting to set it to 'under change' will result in the error message "The error occurred with 'Set' operation. Error: bad value.".

Note - By default, the Status parameters are set to 'invalid'. To be able to set them to 'valid', their corresponding IP Address parameters must first be set to valid values. Failing to do so will result in the error message "The error occurred with 'Set' operation. Error: time out occured."

Reset
Resets the system

Telnet
Starts a Telnet connection to the hub.

WEB Browser
Connects to the hub's HTTP server.

Hub Menu

From the Hub menu, you can check traffic statistics and hub's status. It also lets you perform a self-test.

Status
Displays hub information such as stacking status.

Module Menu

From the Module menu, you can view and edit MIB information about a selected hub in the stacked group.

Status
Displays information such as operation status and object identifier.

Note - The current firmware version returns 'noSuchName' for the following parameters:
- Module Description
- Last Update Time and Date

RMON Menu

From the RMON menu, you can view and edit RMON MIB.

Statistics
Displays traffic statistics in the network segment attached to each port.

History Control Table
Displays RMON History table.

Alarm Table
Displays RMON Alarm table.

Event Table
Displays RMON Event table.

Event Log
Displays RMON Event log.

Segment Info
Displays number of segments and others.

Segment Status
Displays RMON configuration information of each segment.

Port Menu

From the Port menu, you can view and edit MIB information about hub's ports.

Statistics
Displays port statistics such as number of frames received/transmitted on the port, bytes received/transmitted on the port and port status.

Status

Displays whether the port is enabled or disabled, whether it is partitioned and other status information.

Detail Status

Displays information such as port name, LED status and polarity.

Note - A link between a port on the hub and a port on another device can only be established if the port on the other device is configured to auto-negotiate.

Security Info

Displays source MAC addresses of frames received on the port.

Note - Valid MIB Set values for the Learn Action parameter are 'inactive' and 'active'. Attempting to set this parameter to any other value will result in the error message "The error occurred with 'Set' operation. Error: bad value.".

Note - The current firmware version does not allow the user to configure the MAC Address parameter. Attempting to configure it will result in the error message "The error occurred with 'Set' operation. Error: bad value.".

Enable

Enables the port.

Disable

Disables the port.

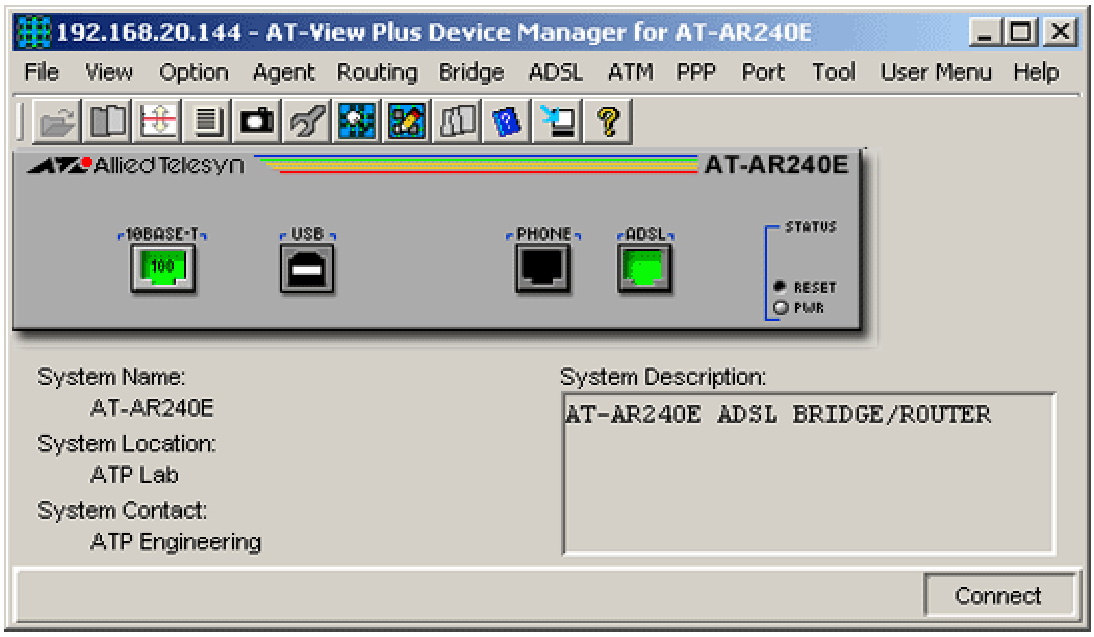
AT-FH800u

AT-AR200E

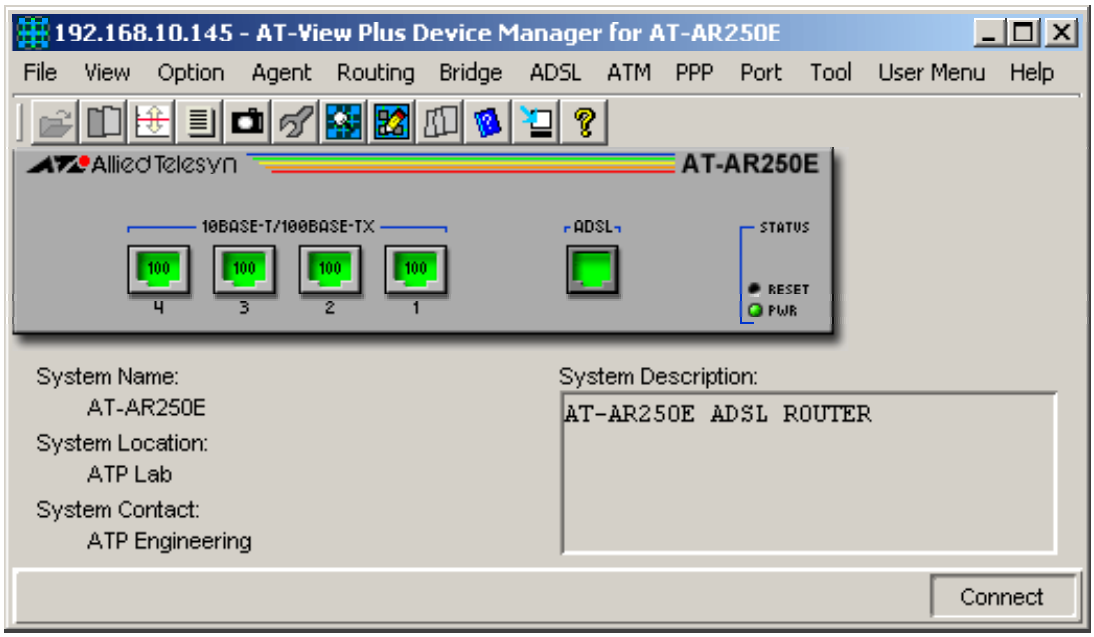
This section describes AT-View Plus Device Manager menus and operations specific to the AT-AR240E, AT-AR250E, and AT-AR255E ADSL bridge/routers.

Topics:

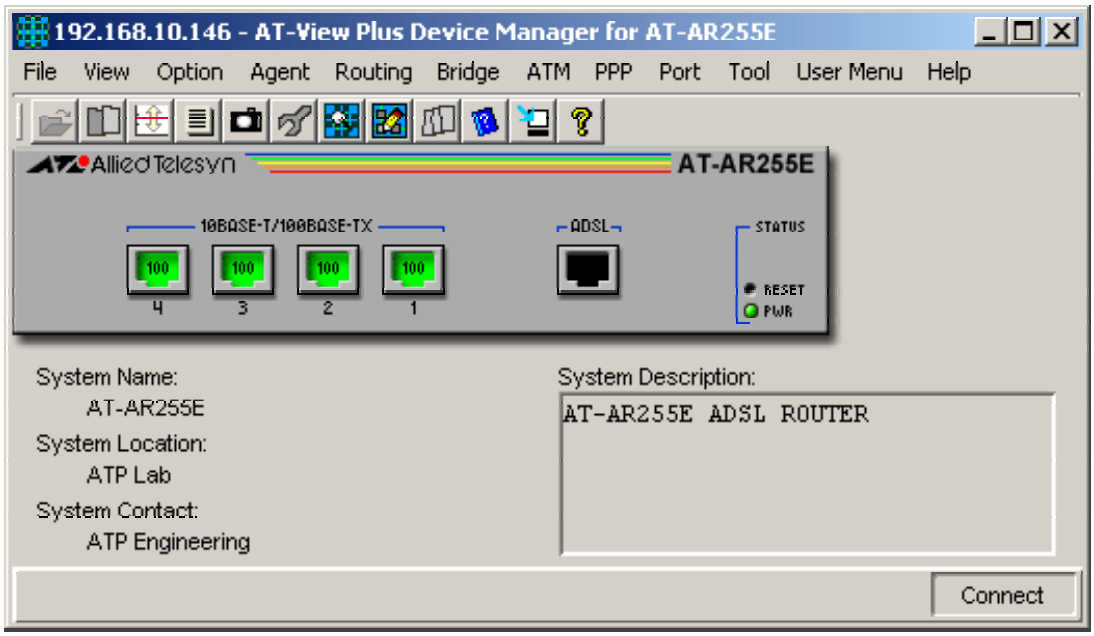
Main Window



AT-AR240E



AT-AR250E



AT-AR255E

Device Manager LEDs for ADSL Bridge/Router		
LED	**State**	**Description**
PWR	Green	The router is receiving power.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Note - The port speed displayed on the Ethernet port images is always '100' even if the Ethernet port is connected to a 10Mbps port on another device.

Note - The four Ethernet ports on the AT-AR250E and AT-AR255E operate as a single port. As a result, even if connection is established on just one port, all four ports will turn green.

Note - Expect the ADSL port to be green even if there is no physical connection established.

Note - The current firmware version does not allow you to disable the Ethernet ports.

Note - The current firmware version does not allow you to manually configure the speed of the Ethernet ports.

Agent Menu

From the Agent menu, you can view and edit the system information for the router, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - The current firmware version returns 'enterprises' instead of the actual OID of the device for the System Unique Object ID parameter.

Note - Clicking on the 'Set MIB Value' button several times when configuring System Info parameters will result in the error message: "The error occurred with 'Set' operation. Error: time out occurred."

Note - The current firmware version does not allow System Info parameters to be configured at the same time. Attempting to do so will result in the error message: "The error occurred with 'Set' operation. Error: time out occurred."

Telnet

Starts a Telnet connection to the router.

WEB Browser

Connects to the router's HTTP server.

Routing Menu

From the Routing menu, you can view and edit information about the router's IP routing functions.

ARP Table

Displays the mapping of IP addresses to MAC addresses (the ARP cache) on the router.

Note - The current firmware version does not allow the user to configure the Physical Address parameter. Attempting to configure this parameter will result in the error message: "The error occurred with 'Set' operation. Error: gen Error."

Address Table

Displays the list of IP interfaces and their IP addresses on the router.

Route Table

Displays the IP routing table on the router.

Note - The current firmware version does not allow the user to configure the Destination Port Number parameter. Attempting to configure this parameter will result in the error messages: "The error occurred with 'Set' operation. Error: gen Error." or "The error occurred with 'Set' operation. Error: bad value."

Note - The current firmware version does not allow the following parameters to be configured:

- Destination Metric 1
- Destination Metric 2
- Destination Metric 3
- Destination Metric 4
- Next Hop Address
- Routing Type
- Route Updated Seconds
- Routing Mask
- Destination Metric 5

Attempting to configure these parameters will result in the error message: "The error occurred with 'Set' operation. Error: gen Error."

IP Statistics

Displays statistics about IP routing, including the number of IP datagrams received.

Note - The current firmware version does not allow the Forwarding Status and the Default TTL parameters to be configured. Attempting to configure these will result in the error message: "The error occurred with 'Set' operation. Error: gen Error."

ICMP Statistics

Displays ICMP statistics.

UDP Statistics

Displays UDP statistics.

TCP Statistics

Displays TCP statistics.

Note - The current firmware version does not allow the user to configure the TCP Connection State parameter. Attempting to configure this parameter will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database, discard/aging time information, and spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

ADSL Menu

From the ADSL menu, you can view and edit ADSL information such as the line attributes, physical layer components, channel information, performance statistics, and configuration profiles.

Note - The ADSL Menu does not apply to the AT-AR255E.

ADSL Line
Displays attributes of the ADSL line.

Note - The current firmware version does not allow the Configuration Profile and the Alarm Configuration Profile parameters to be configured. Attempting to configure these will result in the error message: "The error occurred with 'Set' operation. Error: gen Error."

ATU Remote
ATUR Physical Layer Inventory
Displays the physical layer parameters of each remote ADSL transmission unit.

ATUR Channels
Displays ATUR Channel information like interleave delay, transmit rate, and length of the channel data-block.

ATUR Performance Data
Displays ATUR performance statistics like frame failures, signal failures and power failures.

Note - The ATUR Performance Data sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

ATUR Performace Data by Interval
Diplays collection of ATUR performance statistics in 15-minute intervals.

Note - The ATUR Performance Data by Interval sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

ATUR Channel Performance Data
Displays ATUR channel performance statistics like received blocks, transmitted blocks, and error counts.

ATUR Channel Performance Data by Interval
Diplays collection of ATUR channel performance statistics in 15-minute intervals.

Note - The ATUR Channel Performance Data sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Configuration Profiles
Displays a list of parameters that represents the configuration of an ADSL modem.

Note - The Configuration Profiles sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Alarm Configuration Profiles
Displays alarm-related information.

Note - The Alarm Configuration Profiles sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

ATM Menu

From the ATM menu, you can view and edit ATM and AAL5-related information such as ATM interfaces, ATM virtual links, ATM cross-connects, AAL5 entities, and AAL5 connections.

Interface Configuration
Displays ATM interface configuration information.

Note - The current firmware version does not allow the following parameters to be configured:

- Max VPC
- Max VCC
- Max Active VPI Bits
- Max Active VCI Bits
- ILMI VPI
- ILMI VCI
- Neighbor IP Address
- Neighbor Name

Attempting to configure these parameters will result in the error message: "The error occurred with 'Set' operation. Error: gen Error."

Interface DS3 PLCP

Displays DS3 PLCP configuration and state parameters.

Note - The Interface DS3 PLCP sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Interface TC Sublayer

Displays TC Sublayer configuration and state parameters.

Note - The Interface TC Sublayer sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Traffic Descriptor

Diplays information on the ATM traffic descriptor type and its associated parameters.

Note - The current firmware version does not allow the following parameters to be configured:

- Type
- Parameter 1
- Parameter 2
- Parameter 3
- Parameter 4
- Parameter 5
- QoS Class
- Status

Attempting to configure these parameters will result in the error message: "The error occurred with 'Set' operation. Error: gen Error."

Virtual Path Link (VPL)

Displays configuration and state information for a bi-directional Virtual Path Link.

Note - The Virtual Path Link (VPL) sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Virtual Channel Link (VCL)

Displays configuration and state information for a bi-directional Virtual Channel Link.

Note - AT-AR240E : The current firmware version does not allow the following parameters to be configured:

- Administrative Status
- Receive Traffic Descriptor Index
- Transmit Traffic Descriptor Index
- AAL Type
- AAL5 CPCS Transmit SDU Size
- AAL5 CPCS Receive SDU Size
- AAL5 Encapsulation Type

Attempting to configure these parameters will result in the error message: "The error occurred with 'Set' operation. Error: gen Error".

Note - AT-AR240E: The Port Number parameter and the Virtual Channel Link (VCL) parameters are not relevant and should be ignored.

Note - AT-AR240E : The current firmware version does not allow the Status parameters to be configured. Attempting to configure them will result in the error message: "The error occurred with 'Set' operation. Error: bad value." or "The error occurred with 'Set' operation. Error: gen Error".

Note - AT-AR250E/AT-AR255E : The Virtual Channel Link (VCL) sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Virtual Path (VP) Cross Connect

Displays configuration and state information of all point-to-point , point-to-multipoint, or multipoint-to-multipoint VP cross connect.

Note - The Virtual Path (VP) Cross Connect sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Virtual Channel (VC) Cross Connect

Displays configuration and state information of a bi-directional VC cross connect.

Note - The Virtual Channel (VC) Cross Connect sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

AAL5 Performance Statistics

Displays performance statistics information associated with an AAL5 virtual channel connection.

Note - AT-AR240E : The Port Number parameter is not relevant and should be ignored.

Note - AT-AR250E/AT-AR255E : The AAL5 Performance Statistics sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

PPP Menu

From the PPP menu, you can view and edit Point-to-Point Protocol information such as Link Control Protocol information, Link Quality Report information, PPP tests, MAC Bridging over PPP, IP over PPP, and security protocol.

PPP Link Group

PPP Link Status

Displays management information about a particular PPP Link.

PPP Link Configuration

Displays configuration information about a particular PPP Link.

Note - The current firmware version does not allow the Initial MRU parameter to be configured. Attempting to configure this parameter will not result in an error but the new value will not be applied.

Note - The current firmware version does not allow the following parameters to be configured:

- Receive ACC Map
- Transmit ACC Map
- Magic Number
- FCS Size

Attempting to configure these parameters will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

PPP Link Quality Report

LQR Info

Displays Link Quality Report information for a particular PPP link.

Note - The LQR Info sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

LQR Configuration
Displays Link Quality Report configuration information for a particular PPP link.

Note - The LQR Configuration sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

LQR Extensions
Displays information on the most recently received Link Quality Report packet for a particular PPP link.

Note - The LQR Extensions sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

PPP Tests
Performs a PPP echo test or PPP discard test.

Note - The PPP Tests sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

MAC Bridging over PPP
Bridging Info
Displays information indicating whether the Bridge Network Control Protocol has reached an opened state, the type of compression used, and use of LAN identification field in packets.

Bridging Configuration Info
Displays bridging configuration information for a particular PPP link.

Note - The current firmware version does not allow the Administration Status parameter to be configured. Attempting to configure this parameter will not result in an error but the new value will not be applied.

Note - The current firmware version does not allow the following parameters to be configured:

- Tinygram
- Ring ID
- Line ID
- LAN ID

Attempting to configure these parameters will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Bridge Media Status
Diplays the types of MAC frames that can be sent or received across each of the system's interfaces.

Bridge Media Configuration
Displays configuration information used to negotiate the MAC types to be sent or received.

Note - The current firmware version does not allow the Local Status parameter to be configured. Attempting to configure this parameter will not result in an error but the new value will not be applied.

IP over PPP

IP Info
Displays IP compression protocol status information for a particular PPP link.

IP Configuration Info
Displays IP compression protocol configuration information for a particular PPP link.

Note - The current firmware version does not allow the Compression parameter to be configured. Attempting to configure this parameter will result in the error message: "The error occurred with 'Set' operation. Error: noSuchName."

Note - The current firmware version does not allow the Administration Status parameter to be configured. Attempting to configure this parameter will not result in an error but the new value will not be applied.

PPP Security

Security Configuration Info
Displays the security configuration information for a particular PPP link.

Note - The current firmware version does not allow the Protocol parameter to be configured. Attempting to configure this parameter will not result in an error but the new value will not be applied.

Note - The current firmware version does not allow the Status parameter to be configured. Attempting to configure this parameter will result in the error message: "The error occurred with 'Set' operation. Error: noSuchName."

Security Secrets
Displays information on the identities and secrets used by the PPP authentication protocols.

Note -The current firmware version does not allow the Protocol parameter to be configured. Attempting to configure this parameter will not result in an error but the new value will not be applied.

Note - Setting the Status parameter to 'invalid' clears the corresponding values of the Identity and Secret parameters.

Note - AT-View Plus Device Manager allows the user to enter up to 63 characters for the Identity and Secret parameters. Entering more than 63 characters will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Note - Security Secrets parameters return to their default values whenever the device is restarted.

Note - The current firmware version does not allow the Direction parameter to be configured. Attempting to configure this parameter will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Interface Info

Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Note - The Interface Info sub-menu option displays port parameters for 20 ports. By default, the Administration Status parameter is set to 'up' for the first four ports and 'down' for the rest of the ports. For ports 1 to 3, the Administration Status parameter cannot be configured. Its value is fixed to 'up'. For ports 5 to 12, valid MIB Set values for the Administration Status parameter are 'up' and 'down'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Note - The Administration Status parameter always returns to its default value whenever the device is restarted.

Error Statistics

Displays error statistics for the port.

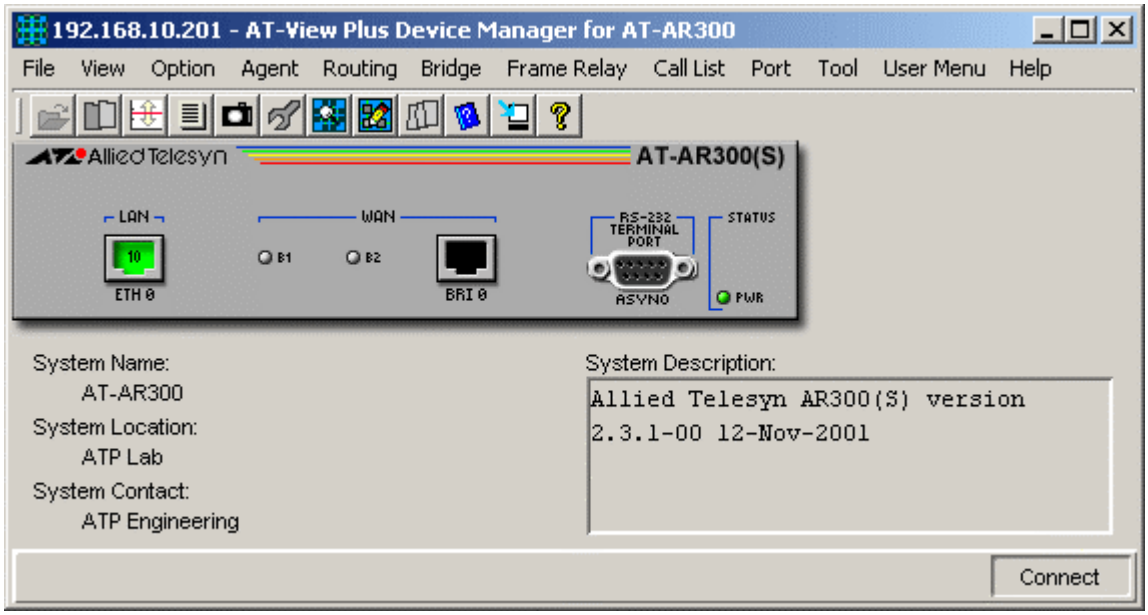
Note - The current firmware version returns 'noSuchName' for the Ethernet Chip Set parameter.

AT-AR300 and AT-AR300L

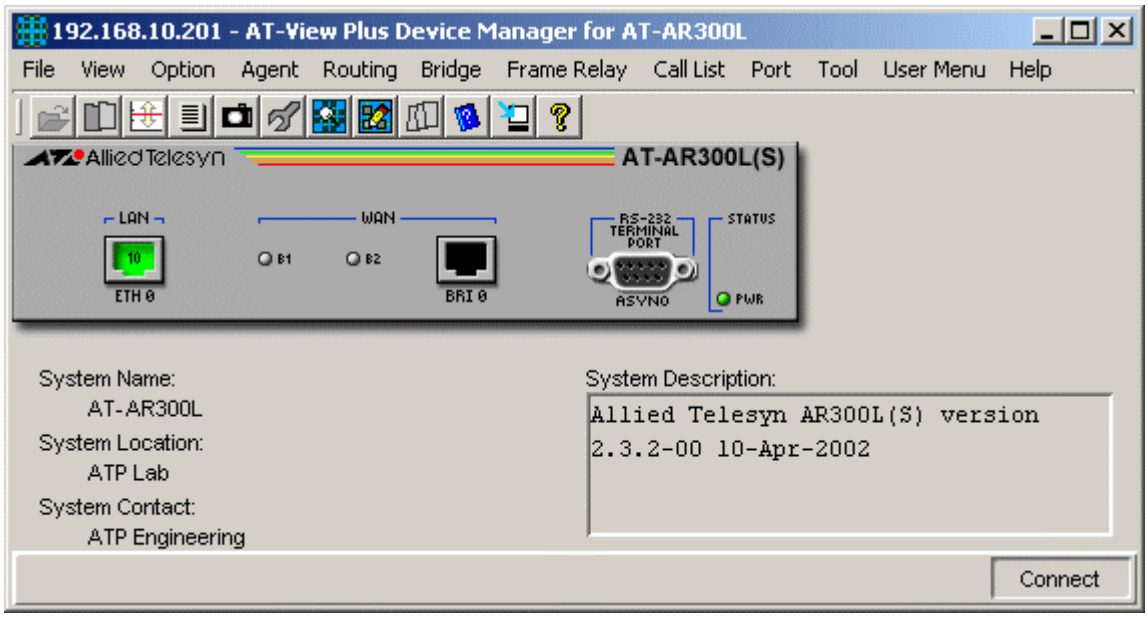
This section describes AT-View Plus Device Manager menus and operations specific to the AT-AR300 and AT-AR300L routers.

Topics:

Main Window



AT-AR300



AT-AR300L

Device Manager LEDs for AT-AR300 and AT-AR300L		
LED	**State**	**Description**
PWR	Green	The router is receiving power.
B1	Green	Data or voice is being transmitted over the B1 channel of the ISDN interface.
	Gray	No data or voice is being transmitted over the B1 channel or if the device is connected to a frame relay network.
B2	Green	Data or voice is being transmitted over the B2 channel of the ISDN interface.
	Gray	No data or voice is being transmitted over the B2 channel or if the device is connected to a frame relay network.

Agent Menu

From the Agent menu, you can view and edit the system information for the router, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

File List

Displays a list of the files in the router's flash file system.

Config File Name

Displays the file name of the start-up configuration file.

Telnet
Starts a Telnet connection to the router.

Routing Menu

From the Routing menu, you can view and edit information about the router's IP routing functions.

ARP Table
Displays the mapping of IP addresses to MAC addresses (the ARP cache) on the router.

Address Table
Displays the list of IP interfaces and their IP addresses on the router.

Route Table
Displays the IP routing table on the router.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays ICMP statistics.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and spanning tree status. The Bridge submenus are greyed out if bridges are not configured.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Frame Relay Menu

From the Frame Relay menu you can view and edit Frame Relay information. The Frame Relay submenus are greyed out if Frame Relay is not configured.

DLCMI Info
Displays DLCMI (Data Link Connection Management Interface) information.

Circuit Info
Displays Frame Relay circuit statistics.

Error Info
Displays information about errors related to the Frame Relay module.

Call List Menu

From the Call List menu, you can view ISDN call information.

Detail Info
Displays ISDN call information such as ISDN nubmer and call direction.

Spanning Tree Info
Displays information about currently active ISDN calls.

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics for the port.

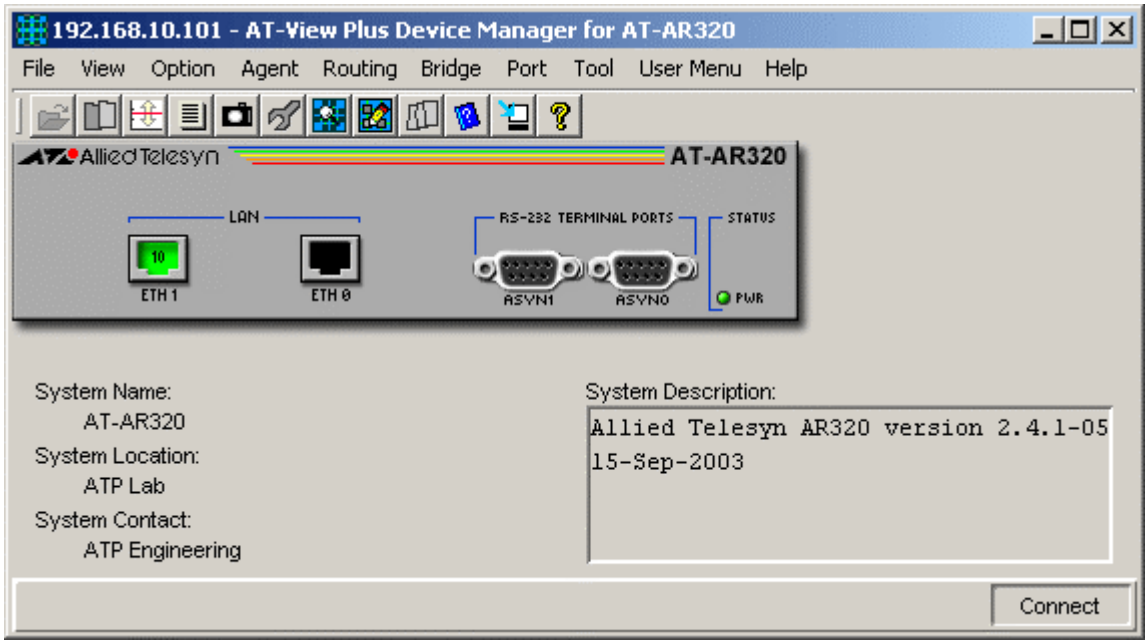
Spanning Tree Info
Displays the port's spanning tree parameters. This option is greyed out if bridge ports are not configured on the router at the time AT-View Plus Device Manager is started.

AT-AR320

This section describes AT-View Plus Device Manager menus and operations specific to the AT-AR320 router.

Topics:

Main Window



AT-AR320

Device Manager LEDs for AT-AR320		
LED	**State**	**Description**
PWR	Green	The router is receiving power.

Agent Menu

From the Agent menu, you can view and edit the system information for the router, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

File List
Displays a list of the files in the router's flash file system.

Config File Name
Displays the file name of the start-up configuration file.

Telnet
Starts a Telnet connection to the router.

Routing Menu

From the Routing menu, you can view and edit information about the router's IP routing functions.

ARP Table
Displays the mapping of IP addresses to MAC addresses (the ARP cache) on the router.

Address Table
Displays the list of IP interfaces and their IP addresses on the router.

Route Table
Displays the IP routing table on the router.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays ICMP statistics.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status. The Bridge submenus are greyed out if bridges are not configured.

Discard/Aging Time Info

Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info

Displays spanning tree parameters such as priority and cost.

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Interface Info

Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics

Displays error statistics for the port.

Spanning Tree Info

Displays the port's spanning tree parameters. This option is greyed out if bridge ports are not configured on the router at the time AT-View Plus Device Manager is started.

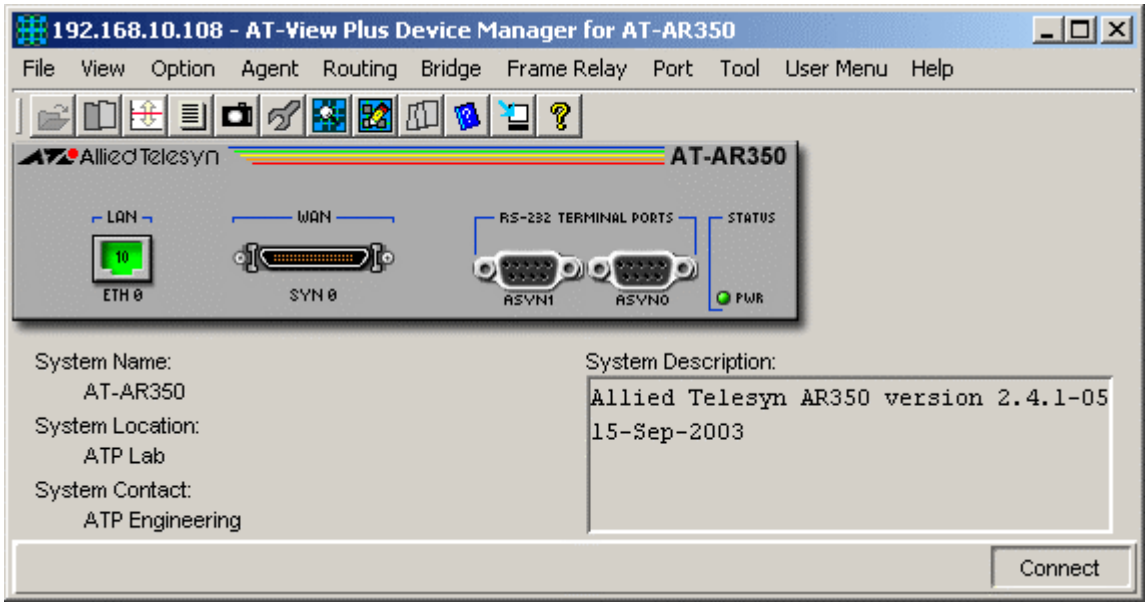
AT-AR320

AT-AR350

This section describes AT-View Plus Device Manager menus and operations specific to the AT-AR350 router.

Topics:

Main Window



AT-AR350

Device Manager LEDs for AT-AR350		
LED	**State**	**Description**
PWR	Green	The router is receiving power.

Agent Menu

From the Agent menu, you can view and edit the system information for the router, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

File List
Displays a list of the files in the router's flash file system.

Config File Name
Displays the file name of the start-up configuration file.

Telnet
Starts a Telnet connection to the router.

Routing Menu

From the Routing menu, you can view and edit information about the router's IP routing functions.

ARP Table
Displays the mapping of IP addresses to MAC addresses (the ARP cache) on the router.

Address Table
Displays the list of IP interfaces and their IP addresses on the router.

Route Table
Displays the IP routing table on the router.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays ICMP statistics.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and spanning tree status.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Interface Info
: Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
: Displays error statistics for the port.

Spanning Tree Info
: Displays the port's spanning tree parameters. These are only displayed if bridge ports are configured on the router at the time AT-View Plus Device Manager is launched.

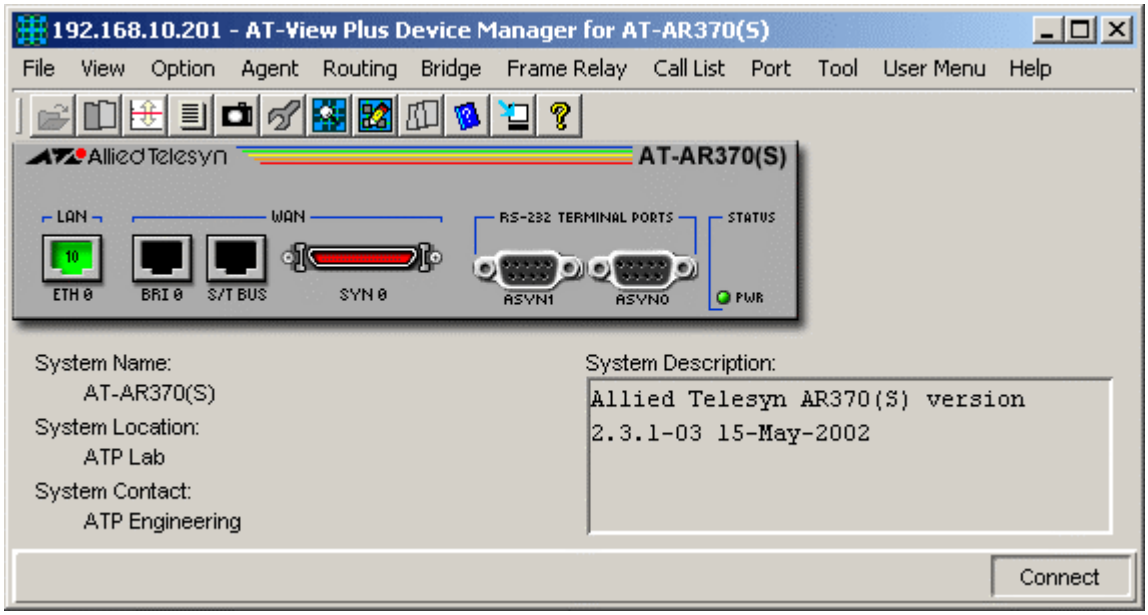
AT-AR350

AT-AR370

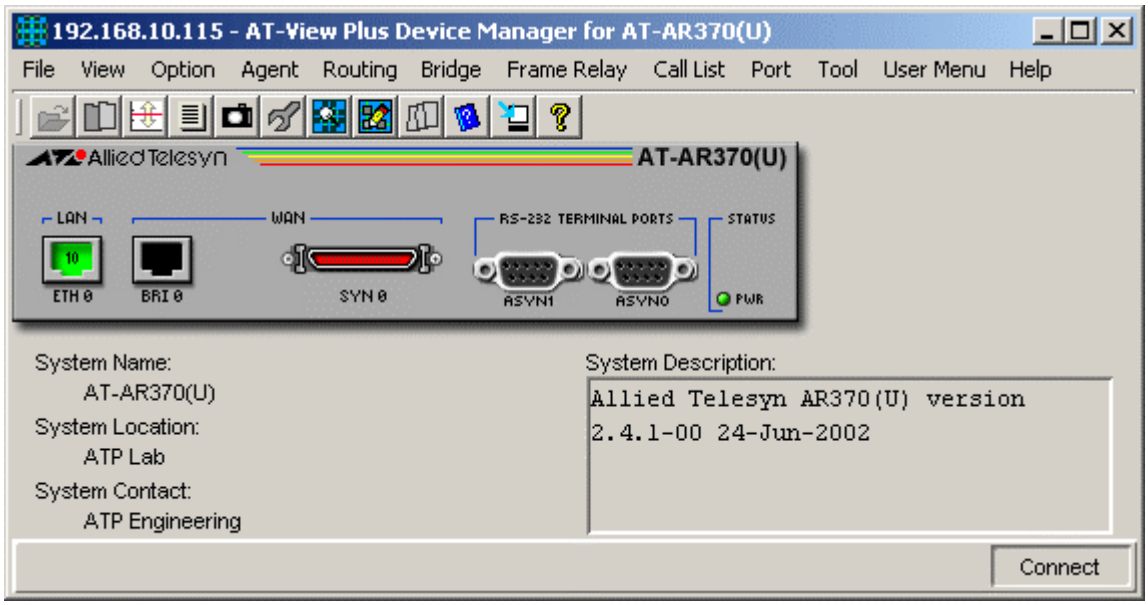
This section describes AT-View Plus Device Manager menus and operations specific to the AT-AR370(S) and AT-AR370(U) routers.

Topics:

Main Window



AT-AR370(S)



AT-AR370(U)

Device Manager LEDs for AT-AR370(S) and AT-AR370(U)		
LED	**State**	**Description**
PWR	Green	The router is receiving power.

Agent Menu

From the Agent menu, you can view and edit the system information for the router, or log into the CLI using Telnet.

System Info
: Displays basic system information, including system name, location, contact and description.

File List
: Displays a list of the files in the router's flash file system.

Config File Name
: Displays the file name of the start-up configuration file.

Telnet
: Starts a Telnet connection to the router.

Routing Menu

From the Routing menu, you can view and edit information about the router's IP routing functions.

ARP Table
: Displays the mapping of IP addresses to MAC addresses (the ARP cache) on the router.

Address Table
Displays the list of IP interfaces and their IP addresses on the router.

Route Table
Displays the IP routing table on the router.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays ICMP statistics.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and spanning tree status. The Bridge submenus are greyed out if bridges are not configured.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because there was a lack of memory, or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Frame Relay Menu

From the Frame Relay menu you can view and edit Frame Relay information. The Frame Relay submenus are greyed out if Frame Relay is not configured.

DLCMI Info
Displays DLCMI (Data Link Connection Management Interface) information.

Circuit Info
Displays Frame Relay circuit statistics.

Error Info
Displays information about errors related to the Frame Relay module.

Call List Menu

From the Call List menu, you can view and edit ISDN call information. The Call List submenus are greyed out if an ISDN interface is not installed, and the device is not configured to use ISDN.

Detail Info
Displays ISDN call information such as ISDN number and call direction.

Active Call
Displays information about currently active ISDN calls.

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics for the port.

Spanning Tree Info
Displays the port's spanning tree parameters. Only displayed if bridge ports are configured on the router at the time AT-View Plus Device Manager is launched.

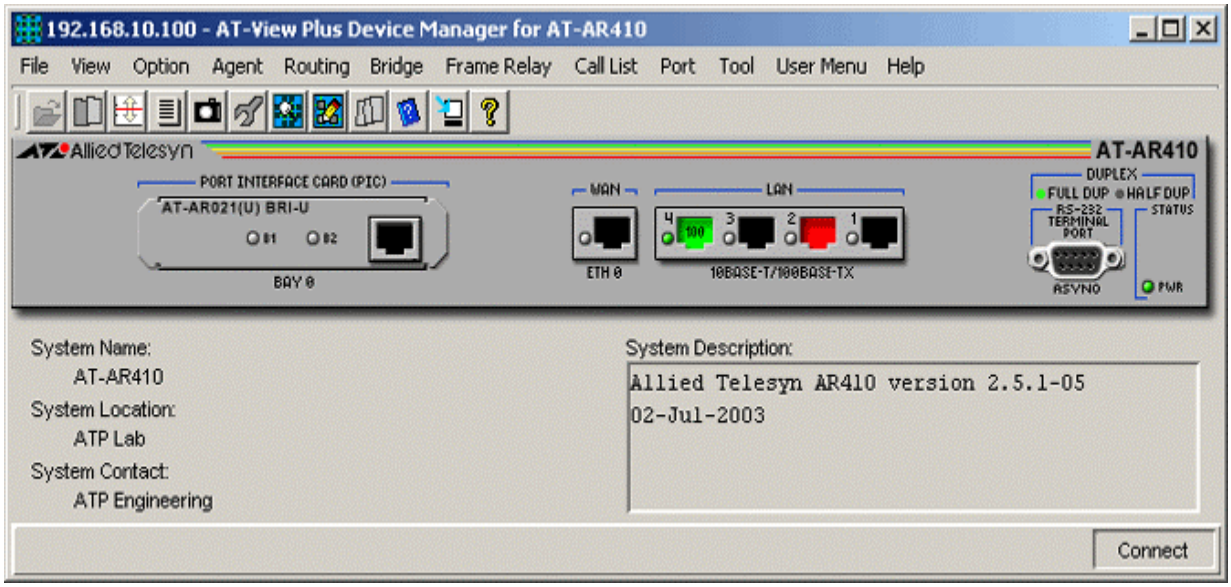
AT-AR370

AT-AR410

This section describes AT-View Plus Device Manager menus and operations specific to the AT-AR410 router.

Topics:

Main Window



AT-AR410 with PIC installed

Device Manager LEDs for AT-AR410		
LED	**State**	**Description**
PWR	Green	The router is receiving power.
DUPLEX	Green	The port is operating at full-duplex.
	Gray	The port is either inactive or is operating at half-duplex.

Note - Please refer to Port Interface Cards (PICs) for the operations and behavior of the Port Interface Cards installed in this device.

Agent Menu

From the Agent menu, you can view and edit the system information for the router, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

File List
Displays a list of the files in the router's flash and NVS file systems.

Config File Name
Displays the file name of the start-up configuration file.

Telnet
Starts a Telnet connection to the router.

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the router's IP routing functions.

ARP Table
Displays the mapping of IP addresses to MAC addresses (the ARP cache) on the router.

Address Table
Displays the list of IP interfaces and their IP addresses on the router.

Route Table
Displays the IP routing table on the router.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays ICMP statistics.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and spanning tree status. The Bridge submenus are greyed out if bridges not configured.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Frame Relay Menu

From the Frame Relay menu you can view and edit Frame Relay information. The Frame Relay submenus are greyed out if Frame Relay is not configured.

DLCMI Info
Displays DLCMI (Data Link Connection Management Interface) information.

Circuit Info
Displays Frame Relay circuit statistics.

Error Info
Displays information about errors related to the Frame Relay module.

Call List Menu

From the Call List menu, you can view ISDN call information. The Call List submenus are unavailable if the device is not configured for ISDN calls.

Detail Info
Displays ISDN call information such as ISDN number and call direction for active calls.

Active call
Displays information about currently active ISDN calls.

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

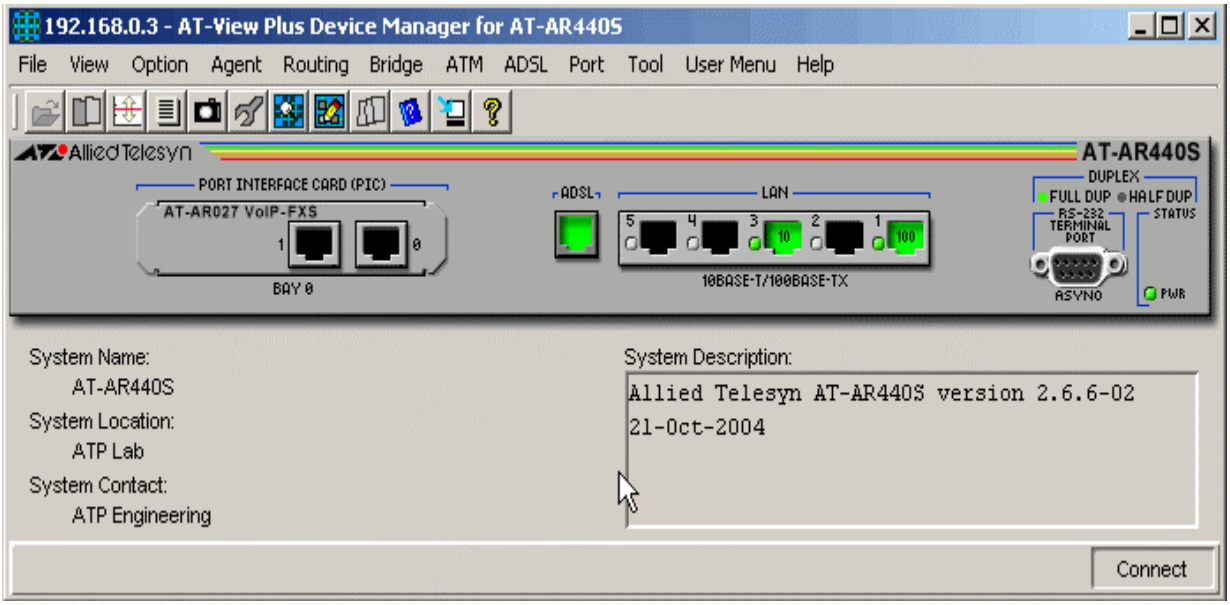
Spanning Tree Info
Displays the port's spanning tree parameters.

AT-AR440S and AT-AR441S

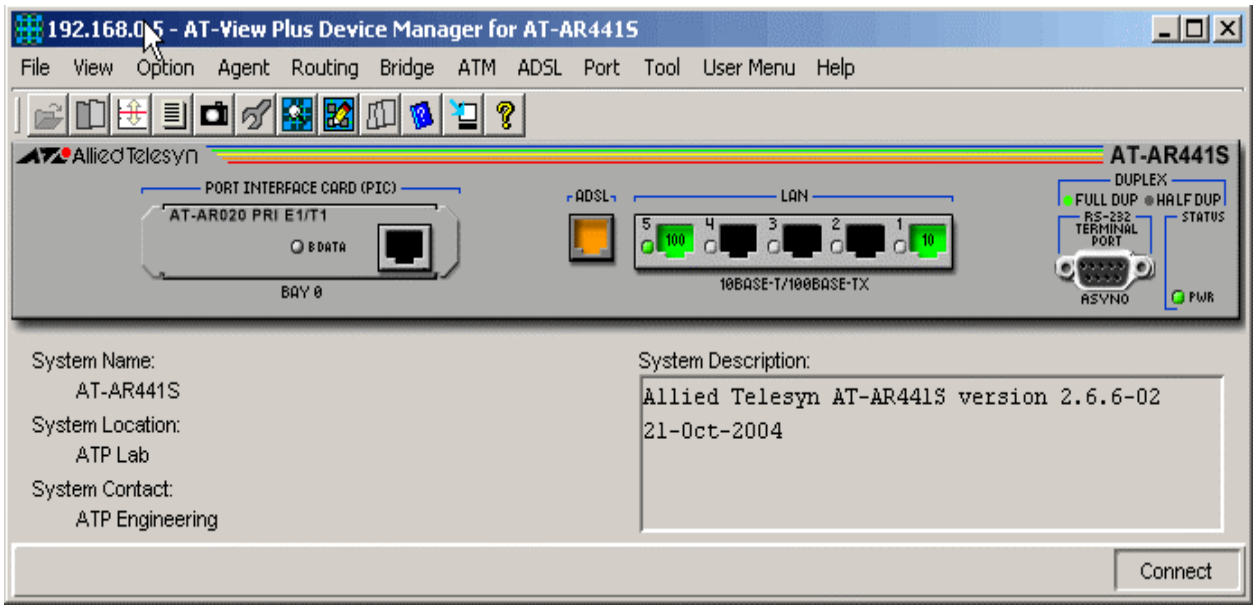
This section describes AT-View Plus Device Manager menus and operations specific to the AT-AR440S and AT-AR441S routers.

Topics:

Main Window



AT-AR440S



AT-AR441S

Device Manager LEDs for the AT-AR440S and AT-AR441S

LED	State	Description
PWR	Green	The router is receiving power.
DUPLEX	Green	The port is operating at full-duplex.
	Gray	The port is either inactive or is operating at half-duplex.
ADSL	Green	The interface is enabled and the link is up.
	Orange	The interface is enabled and is handshaking. The interface is enabled and is training to negotiate the link.
	Black	The interface is enabled and the link is down.
	Red	The interface is disabled.

Note - Please refer to Port Interface Cards (PICs) for the operations and behavior of the Port Interface Cards installed in this device.

Agent Menu

From the Agent menu, you can view and edit the system information for the router, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

File List
Displays a list of the files in the router's flash and NVS file systems.

Config File Name
Displays the file name of the start-up configuration file.

Telnet
Starts a Telnet connection to the router.

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the router's IP routing functions.

ARP Table
Displays the mapping of IP addresses to MAC addresses (the ARP cache) on the router.

Address Table
Displays the list of IP interfaces and their IP addresses on the router.

Route Table
Displays the IP routing table on the router.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays ICMP statistics.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and spanning tree status. The Bridge submenus are greyed out if bridges not configured.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

ATM Menu

From the ATM menu you can view and edit ATM information. The ATM instance submenus are greyed out if no ATM instances are configured. The ATM channel submenus are greyed out if no ATM channels are configured.

Instance Configuration

Displays ATM Instance configuration information.

Note - The current firmware version does not allow the following parameters to be configured:

- Max VPC
- Max VCC
- Max Active VPI Bits
- Max Active VCI Bits
- ILMI VPI
- ILMI VCI
- Neighbor IP Address
- Neighbor Name

Attempting to configure these parameters will result in the error message: "The error occurred with 'Set' operation. Error: noSuchName."

Channel Configuration

Displays ATM Channel configuration information.

Note - The current firmware version does not allow the following parameters to be configured:

- Receive Traffic Descriptor Index
- Transmit Traffic Descriptor Index

Attempting to configure these parameters will result in the error message: "The error occurred with 'Set' operation. Error: noSuchName."

Channel Error Statistics

Displays information about errors related to ATM channels.

ADSL Menu

From the ADSL menu, you can view ADSL interface information.

Line Info

Displays information about the ADSL line.

Physical Info
Displays information about the ADSL physical layer parameters.

Performance Statistics
Displays ADSL event counters.

Interval Statistics
Displays ADSL interval counters.

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics for the port.

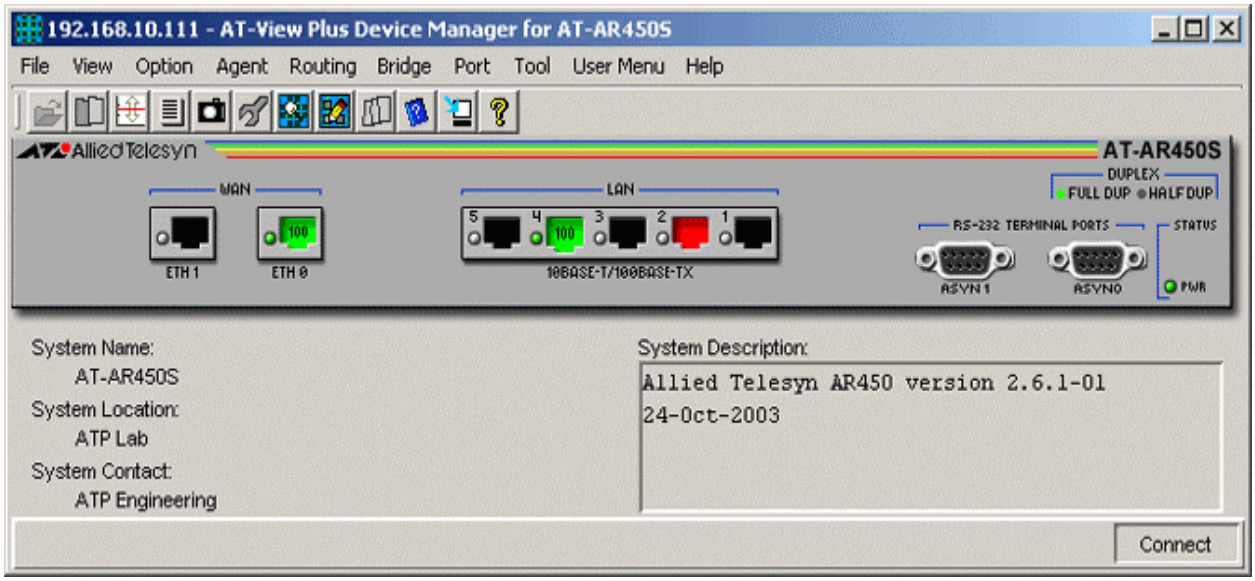
Spanning Tree Info
Displays the port's spanning tree parameters.

AT-AR450S

This section describes AT-View Plus Device Manager menus and operations specific to the AT-AR450S router.

Topics:

Main Window



AT-AR450S

Device Manager LEDs for AT-AR450S		
LED	**State**	**Description**
PWR	Green	The router is receiving power.
DUPLEX	Green Gray	The port is operating at full-duplex. The port is either inactive or is operating at half-duplex.

Agent Menu

From the Agent menu, you can view and edit the system information for the router, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

File List
Displays a list of the files in the router's flash and NVS file systems.

Config File Name
Displays the file name of the start-up configuration file.

Telnet
Starts a Telnet connection to the router.

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the router's IP routing functions.

ARP Table
Displays the mapping of IP addresses to MAC addresses (the ARP cache) on the router.

Address Table
Displays the list of IP interfaces and their IP addresses on the router.

Route Table
Displays the IP routing table on the router.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays ICMP statistics.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and spanning tree status. The Bridge submenus are greyed out if bridges not configured.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics for the port.

Spanning Tree Info
Displays the port's spanning tree parameters.

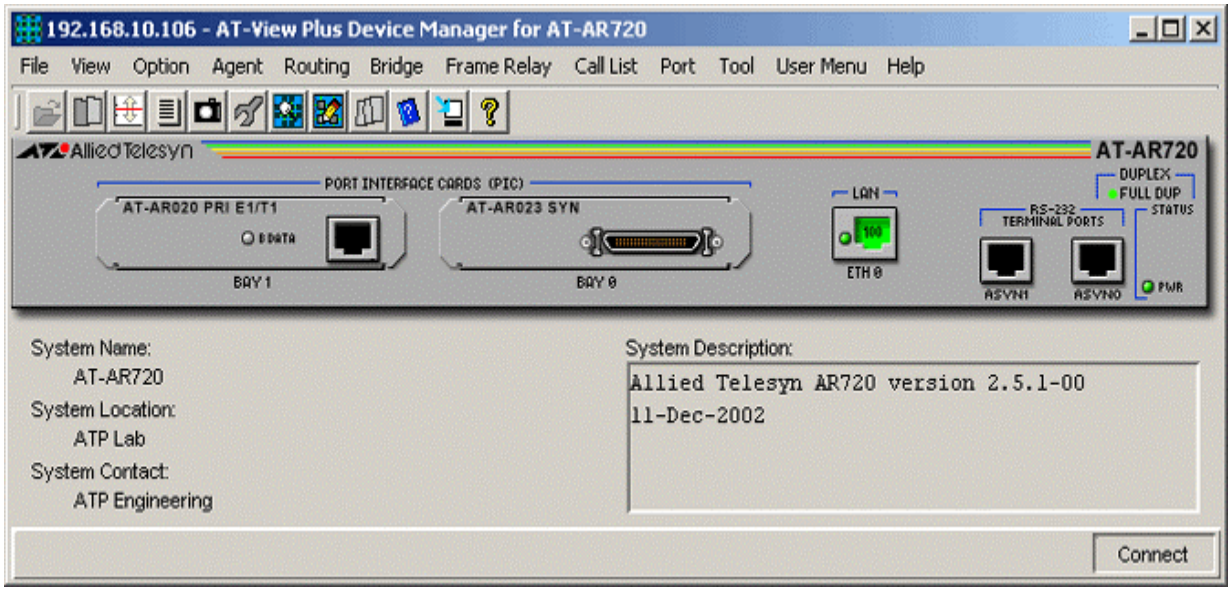
AT-AR450S

AT-AR720

This section describes AT-View Plus Device Manager menus and operations specific to the AT-AR720 router.

Topics:

Main Window



AT-AR720 with PICs installed

Device Manager LEDs for AT-AR720		
LED	**State**	**Description**
PWR	Green	The router is receiving power.
DUPLEX	Green	The port is operating at full-duplex.

Note - Please refer to Port Interface Cards (PICs) for the operations and behavior of the Port Interface Cards installed in this device.

Agent Menu

From the Agent menu, you can view and edit the system information for the router, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

File List
Displays a list of the files in the router's flash file system.

Config File Name
Displays the file name of the start-up configuration file.

Telnet
Starts a Telnet connection to the router.

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the router's IP routing functions.

ARP Table
Displays the mapping of IP addresses to MAC addresses (the ARP cache) on the router.

Address Table
Displays the list of IP interfaces and their IP addresses on the router.

Route Table
Displays the IP routing table on the router.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays ICMP statistics.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and spanning tree status. The Bridge submenus are greyed out if bridges are not configured.

Discard/Aging Time Info
: Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
: Displays spanning tree parameters such as priority and cost.

Frame Relay Menu

From the Frame Relay menu you can view and edit Frame Relay information. The Frame Relay submenus are greyed out if Frame Relay is not configured.

DLCMI Info
: Displays DLCMI (Data Link Connection Management Interface) information.

Circuit Info
: Displays Frame Relay circuit statistics.

Error Info
: Displays information about errors related to the Frame Relay module.

Call List Menu

From the Call List menu, you can view ISDN call information. The Call List submenus are greyed out if an ISDN interface is not installed, and the device is not configured to use ISDN.

Detail Info
: Displays ISDN call information such as ISDN number and call direction for active calls.

Active call
: Displays information about currently active ISDN calls.

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Interface Info
: Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics

Displays error statistics for the port.

Spanning Tree Info

Displays the port's spanning tree parameters. This option is greyed out if bridge ports are not configured on the router at the time AT-View Plus Device Manager is started.

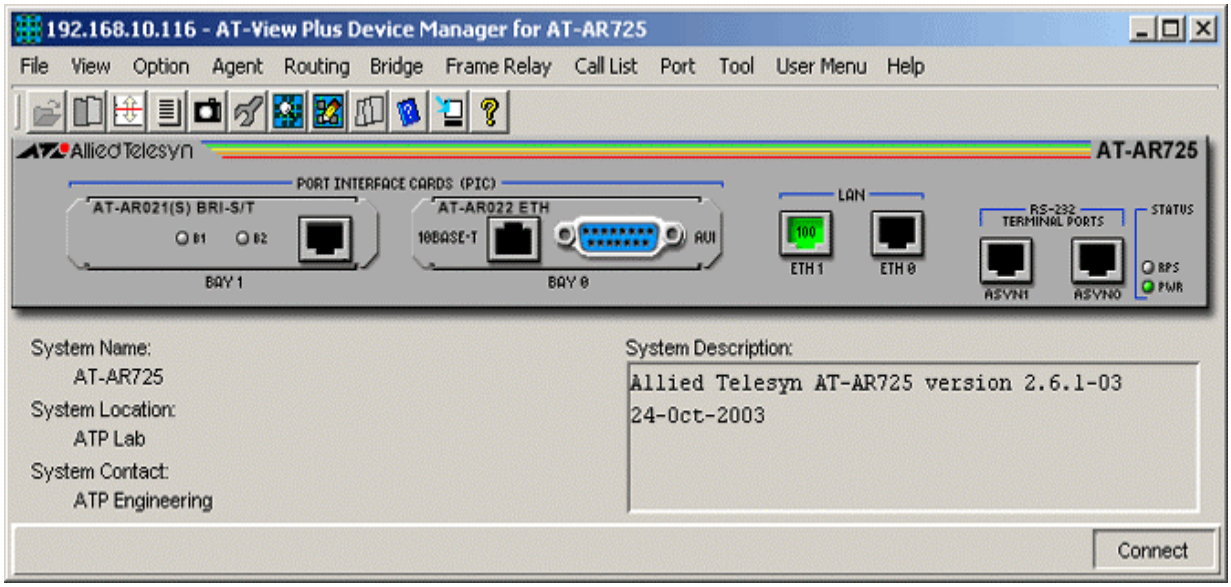
AT-AR720

AT-AR725

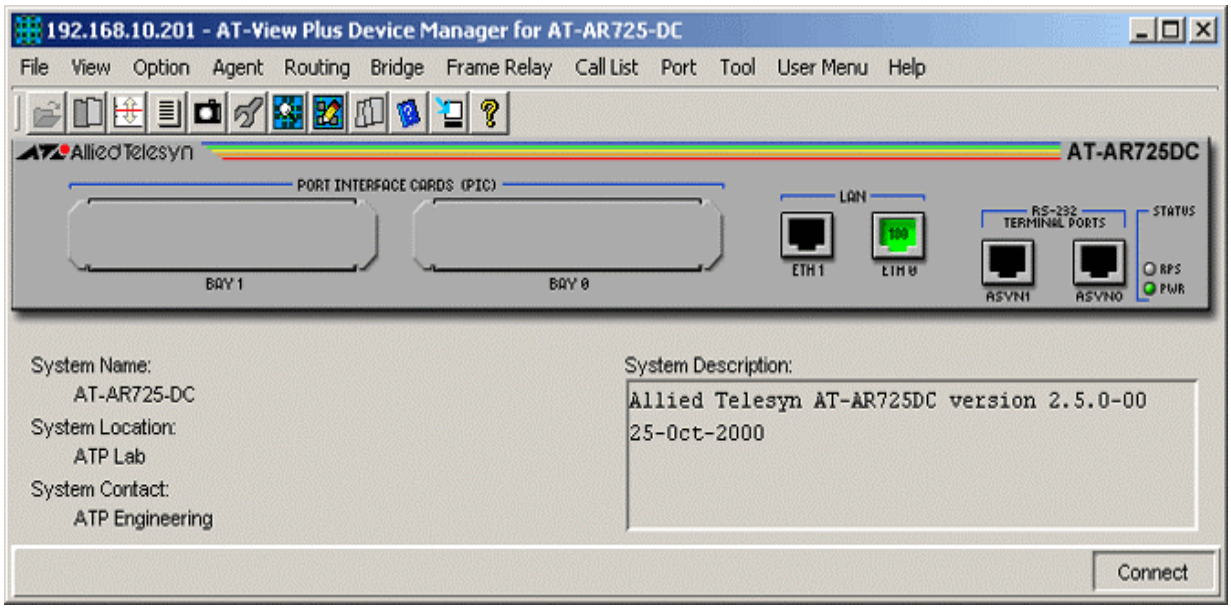
This section describes AT-View Plus Device Manager menus and operations specific to AT-AR725 and AT-AR725-DC routers.

Topics:

Main Window



AT-AR725 with PICs installed



AT-AR725-DC

Device Manager LEDs for AT-AR725		
LED	**State**	**Description**
PWR	Green	The router is receiving power from the main power supply unit.
	Red	The main PSU has failed.
RPS	Green	The router is receiving power from the redundant power supply.
	Red	RPS has failed.
	Gray	RPS is not installed or RPS monitoring is disabled.

Device Manager LEDs for AT-AR725-DC		
LED	**State**	**Description**
PWR	Green	The router is receiving power from the main power supply unit.

Note – Please refer to Port Interface Cards (PICs) for the operations and behavior of the Port Interface Cards installed in this device.

Note – To turn RPS monitoring on or off on the router, from the AT-AR725 console enter the command SET SYSTEM RPSMONITOR={ON|OFF}. To see whether RPS monitoring is on, use the command SHOW SYSTEM. To turn on RPS monitoring using SNMP, set the fanAndPsRpsMonitoringStatus variable to on.

Note – The current firmware version does not allow AT-View Plus Device Manager to support the RPS LED on the AT-AR725-DC model.

Agent Menu

From the Agent menu, you can view and edit the system information for the router, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

Power Supply Info
Displays information about the power supply, redundant power supply and power supply monitoring. (AT-AR725 AC only)

File List
Displays a list of the files in the router's flash file system.

Config File Name
Displays the file name of the start-up configuration file.

Telnet
Starts a Telnet connection to the router.

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note – The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the router's IP routing functions.

ARP Table
Displays the mapping of IP addresses to MAC addresses (the ARP cache) on the router.

Address Table
Displays the list of IP interfaces and their IP addresses on the router.

Route Table
Displays the IP routing table on the router.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays ICMP statistics.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and spanning tree status. The Bridge submenus are unavailable if bridges are not configured.

Discard/Aging Time Info
: Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
: Displays spanning tree parameters such as priority and cost.

Frame Relay Menu

From the Frame Relay menu you can view and edit Frame Relay information. The Frame Relay submenus are unavailable if Frame Relay is not configured.

DLCMI Info
: Displays DLCMI (Data Link Connection Management Interface) information.

Circuit Info
: Displays Frame Relay circuit statistics.

Error Info
: Displays information about errors related to the Frame Relay module.

Call List Menu

From the Call List menu, you can view ISDN call information. The Call List submenus are unavailable if an ISDN interface is not installed, and the device is not configured to use ISDN.

Detail Info
: Displays ISDN call information such as ISDN number and call direction for active calls.

Active call
: Displays information about currently active ISDN calls.

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Interface Info
: Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics

Displays error statistics for the port.

Spanning Tree Info

Displays the port's spanning tree parameters. This option is unavailable if bridge ports are not configured on the router at the time AT-View Plus Device Manager is started.

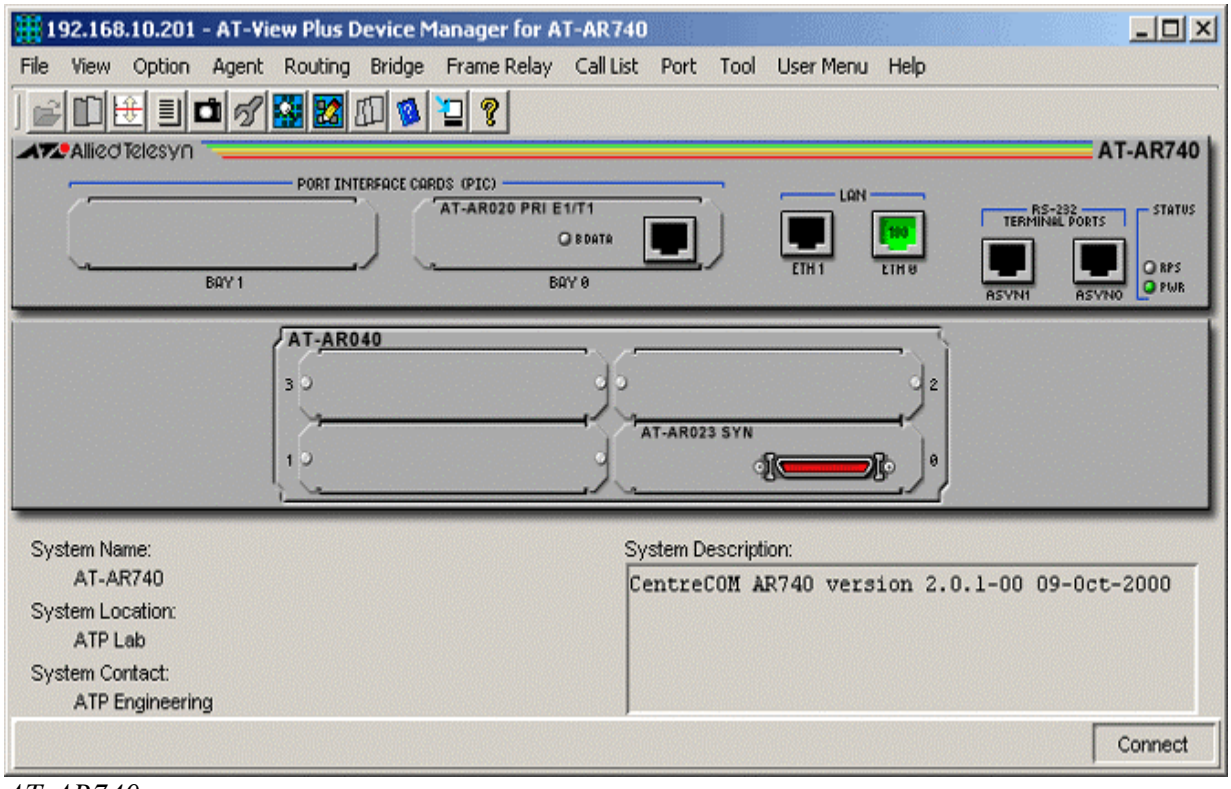
AT-AR725

AT-AR740

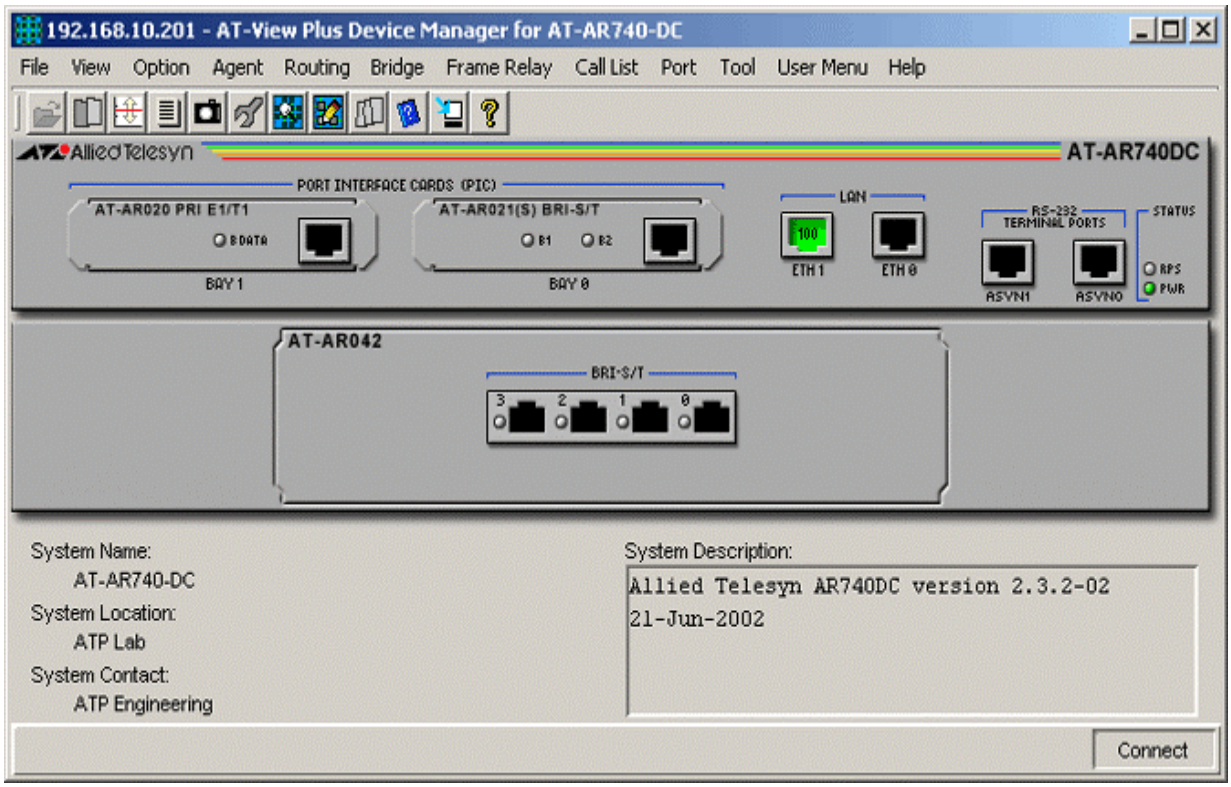
This section describes AT-View Plus Device Manager menus and operations specific to the AT-AR740 and AT-AR740-DC routers.

Topics:

Main Window



AT-AR740



AT-AR740-DC

Device Manager LEDs for AT-AR740		
LED	**State**	**Description**
PWR	Green	The router is receiving power from the main power supply unit.
	Red	The main PSU has failed.
RPS	Green	The router is receiving power from the redundant power supply.
	Red	RPS has failed.
	Gray	RPS is not installed or RPS monitoring is disabled.

Device Manager LEDs for AT-AR740-DC		
LED	**State**	**Description**
PWR	Green	The router is receiving power from the main power supply unit.

Note – Please refer to Port Interface Cards (PICs) for the operations and behavior of the Port Interface Cards installed in this device.

Note – Please refer to Network Service Modules (NSMs) for the operations and behavior of the Network Service Modules installed in this device.

Note – Before hotswapping in the NSM bay, make sure periodic device polling is enabled (File menu -> Properties).

Note – To turn RPS monitoring on or off on the router, from the AT-AR740 console enter the command SET SYSTEM RPSMONITOR={ON|OFF}. To see whether RPS monitoring is on, use the command SHOW SYSTEM. To turn on RPS monitoring using SNMP, set the fanAndPsRpsMonitoringStatus variable to on.

Note – The current firmware version does not allow AT-View Plus Device Manager to support the RPS LED on the AT-AR740-DC model.

Agent Menu

From the Agent menu, you can view and edit the system information for the router, or log into the CLI using Telnet.

System Info
: Displays basic system information, including system name, location, contact and description.

Power Supply Info
: Displays information about the power supply, redundant power supply and power supply monitoring.

File List
: Displays a list of the files in the router's flash file system.

Config File Name
: Displays the file name of the start-up configuration file.

Telnet
: Starts a Telnet connection to the router.

WEB browser
: Opens your web browser and connects to the switch's HTTP server.

  Note – The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the router's IP routing functions.

ARP Table
: Displays the mapping of IP addresses to MAC addresses (the ARP cache) on the router.

Address Table
: Displays the list of IP interfaces and their IP addresses on the router.

Route Table
Displays the IP routing table on the router.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays ICMP statistics.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and spanning tree status. The Bridge submenus are greyed out if bridges are not configured.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Frame Relay Menu

From the Frame Relay menu you can view and edit Frame Relay information. The Frame Relay submenus are greyed out if Frame Relay is not configured.

DLCMI Info
Displays DLCMI (Data Link Connection Management Interface) information.

Circuit Info
Displays Frame Relay circuit statistics.

Error Info
Displays information about errors related to the Frame Relay module.

Call List Menu

From the Call List menu, you can view ISDN call information. The Call List submenus are greyed out if an ISDN interface is not installed, and the device is not configured to use ISDN.

Detail Info
Displays ISDN call information such as ISDN number and call direction for active calls.

Active call
Displays information about currently active ISDN calls.

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Interface Info
: Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
: Displays error statistics for the port.

Spanning Tree Info
: Displays the port's spanning tree parameters. This option is greyed out if bridge ports are not configured on the router at the time AT-View Plus Device Manager is started.

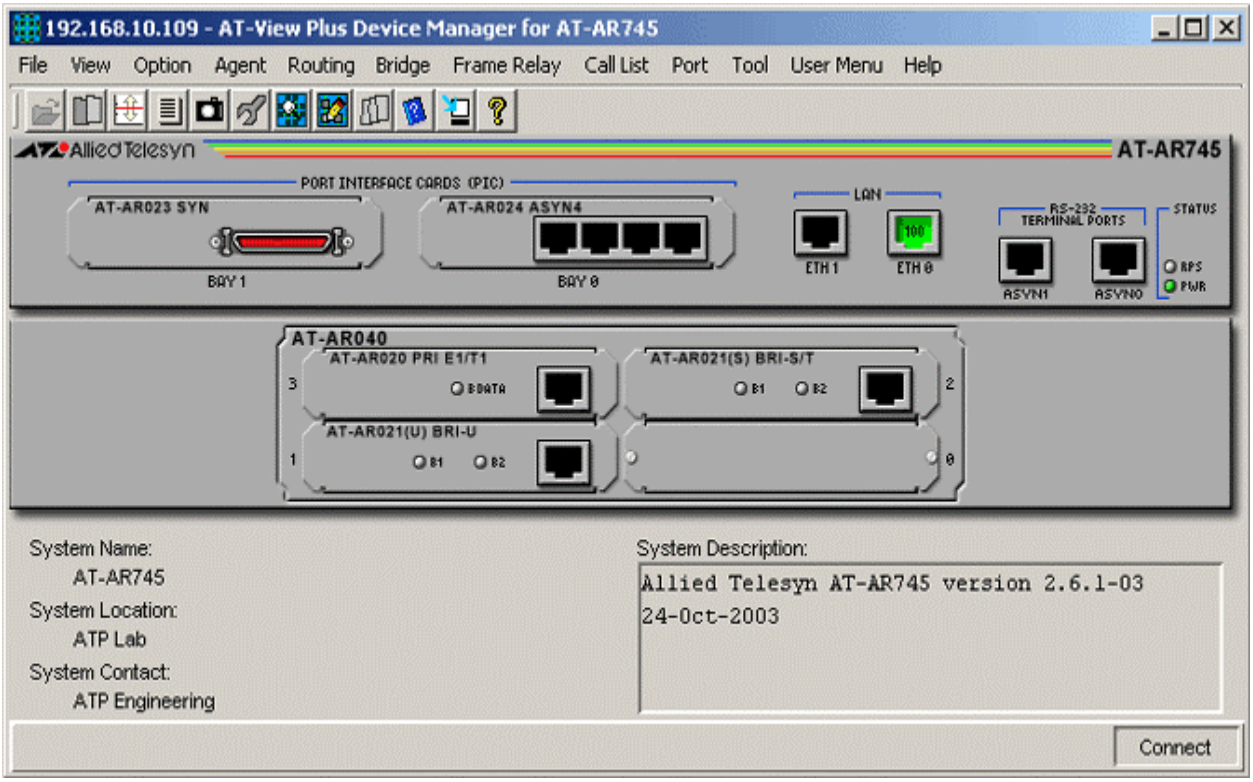
AT-AR740

AT-AR745

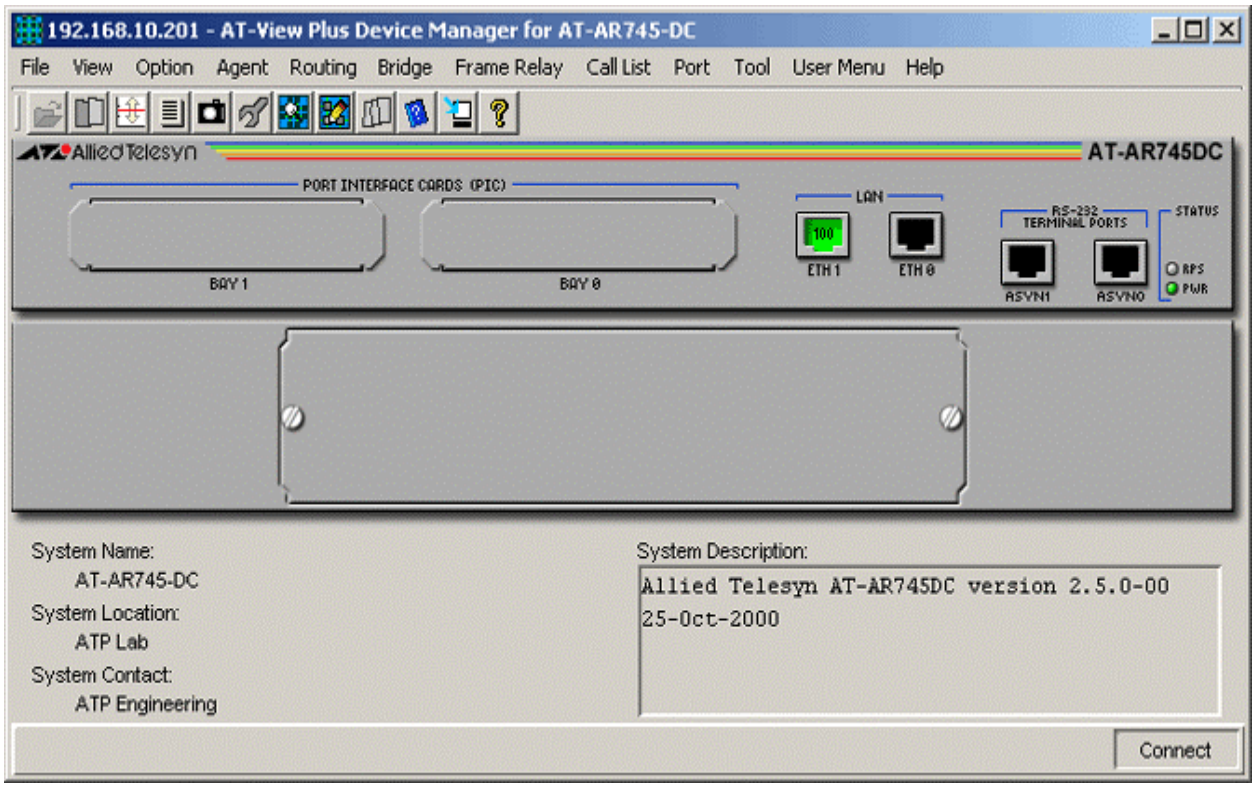
This section describes AT-View Plus Device Manager menus and operations specific to the AT-AR745 and AT-AR745-DC routers.

Topics:

Main Window



AT-AR745



AT-AR745-DC

Device Manager LEDs for AT-AR745		
LED	**State**	**Description**
PWR	Green	The router is receiving power from the main power supply unit.
	Red	The main PSU has failed.
RPS	Green	The router is receiving power from the redundant power supply.
	Red	RPS has failed.
	Gray	RPS is not installed or RPS monitoring is disabled.

Device Manager LEDs for AT-AR745-DC		
LED	**State**	**Description**
PWR	Green	The router is receiving power from the main power supply unit.

Note - Please refer to Port Interface Cards (PICs) for the operations and behavior of the Port Interface Cards installed in this device.

Note - Please refer to Network Service Modules (NSMs) for the operations and behavior of the Network Service Modules installed in this device.

Note - Before hotswapping in the NSM bay, make sure periodic device polling is enabled (File menu -> Properties).

Note - To turn RPS monitoring on or off on the router, from the AT-AR745 console enter the command SET SYSTEM RPSMONITOR={ON|OFF}. To see whether RPS monitoring is on, use the command SHOW SYSTEM. To turn on RPS monitoring using SNMP, set the fanAndPsRpsMonitoringStatus variable to on.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the RPS LED on the AT-AR745-DC model.

Agent Menu

From the Agent menu, you can view and edit the system information for the router, or log into the CLI using Telnet.

System Info
: Displays basic system information, including system name, location, contact and description.

Power Supply Info
: Displays information about the power supply, redundant power supply and power supply monitoring. (AT-AR745 AC only)

File List
: Displays a list of the files in the router's flash file system.

Config File Name
: Displays the file name of the start-up configuration file.

Telnet
: Starts a Telnet connection to the router.

WEB browser
: Opens your web browser and connects to the switch's HTTP server.

  Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the router's IP routing functions.

ARP Table
: Displays the mapping of IP addresses to MAC addresses (the ARP cache) on the router.

Address Table
Displays the list of IP interfaces and their IP addresses on the router.

Route Table
Displays the IP routing table on the router.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays ICMP statistics.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and spanning tree status. The Bridge submenus are unavailable if bridges are not configured.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Frame Relay Menu

From the Frame Relay menu you can view and edit Frame Relay information. The Frame Relay submenus are unavailable if Frame Relay is not configured.

DLCMI Info
Displays DLCMI (Data Link Connection Management Interface) information.

Circuit Info
Displays Frame Relay circuit statistics.

Error Info
Displays information about errors related to the Frame Relay module.

Call List Menu

From the Call List menu, you can view ISDN call information. The Call List submenus are unavailable if an ISDN interface is not installed, and the device is not configured to use ISDN.

Detail Info
Displays ISDN call information such as ISDN number and call direction for active calls.

Active call
Displays information about currently active ISDN calls.

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics for the port.

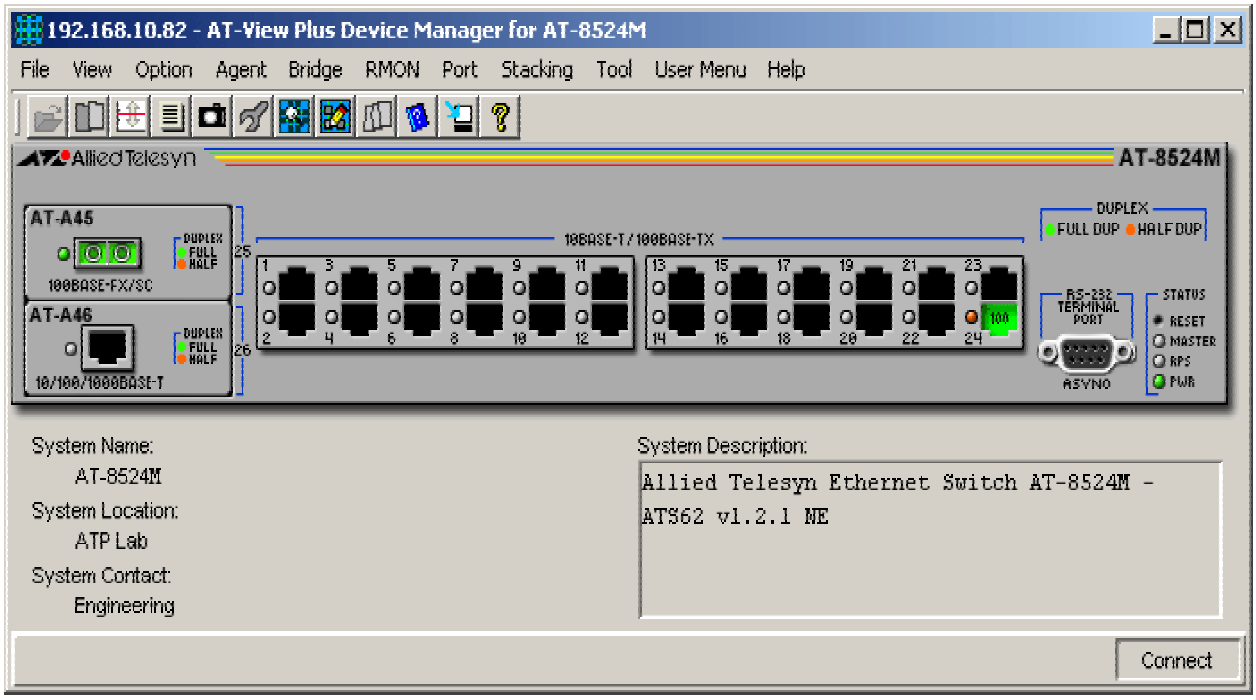
Spanning Tree Info
Displays the port's spanning tree parameters. This option is unavailable if bridge ports are not configured on the router.

AT-8500 Series

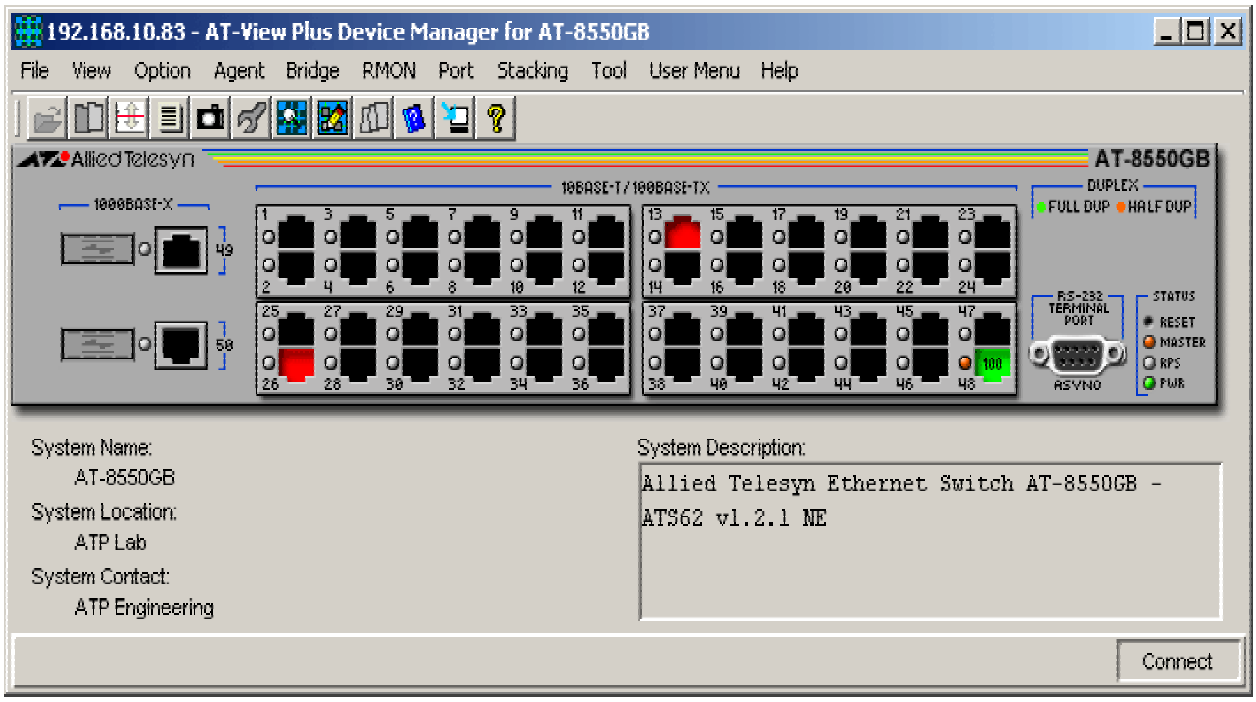
This section describes AT-View Plus Device Manager menus and operations specific to the AT-8500 Series.

Topics:

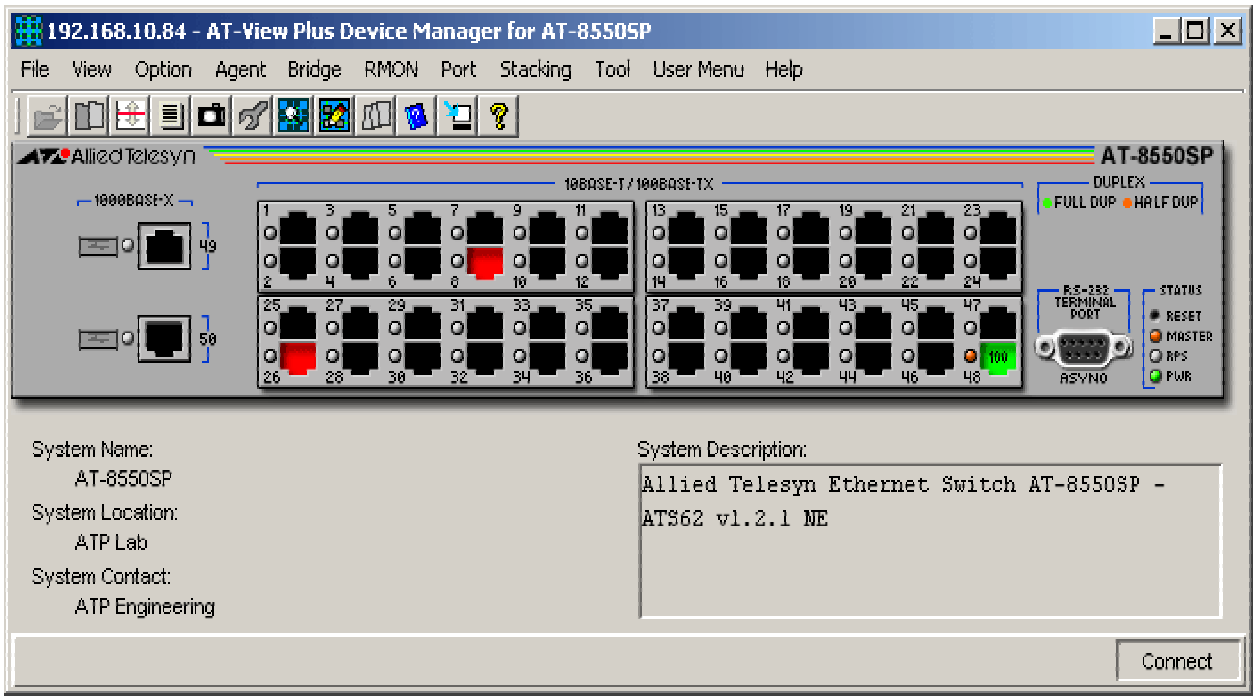
Main Window



AT-8524M



AT-8550GB



AT-8550SP

Device Manager LEDs for AT-8500 Series		
LED	**State**	**Description**
PWR	Green	The switch is receiving power.
MASTER	Orange	The switch is the master switch of an enhanced stack.
	Gray	The switch is a slave switch or is not a member of an enhanced stack.
DUPLEX	Green	The port is operating in full-duplex mode.
	Orange	The port is operating in half-duplex mode.

Note - Please refer to Uplink Modules for the operations and behaviour of the expansion modules installed on these devices.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the RPS LED.

Note - When connecting to a slave switch, AT-View Plus Device Manager does not automatically replace the master switch image in the main window with the slave switch image. The same is true when returning to the master switch from the slave switch. To view the updated image, click on the Refresh option under the Agent menu.

Agent Menu

From the Agent menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - The current firmware version allows the user to enter up to 38 characters for the System Location parameter.

Note - Configuring the System Contact, System Name and System Location parameters may sometimes result in the error message: "The error occurred with 'Set' operation. Error: gen Error." However, the values are still set successfully.

Network Info

Displays network-related information such as the addresses of the default gateway and the agents.

Device Info

Displays general information about the switch.

MAC Address Table
Displays a list of static MAC addresses configured on the switch.

Note - The MIB (atiStackSwitch.mib v2.10) supported by the current firmware version defines the Module ID and Port ID parameters as "read-write". As a result, AT-View Plus Device Manager displays these parameters as configurable objects. However, attempting to configure these parameters will show that the firmware does not accept any value.

Note - The only valid MIB Set value for the Status parameter is 'destroy'. Attempting to set this parameter to any other value may result in the value being ignored or the error message: "The error occurred with 'Set' operation. Error: bad value."

Reset
Resets the switch.

Telnet
Starts a Telnet connection to the switch.

WEB Browser
Connects to the switch's HTTP server.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

RMON Menu

From the RMON menu you can view and edit the RMON MIB.

Statistics
Displays traffic statistics in the network segment attached to each port.

History Control Table
Displays the RMON History table.

Note - The current firmware version is unable to provide History Control Table information. As a result, the following error message appears: "Failed to get MIB data."

Alarm Table
Displays the RMON Alarm table.

Event Table
Displays the RMON Event table.

Event Log
Displays the RMON Event log.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Note - Valid MIB Set values for the Administration Status parameter are 'up' and 'down'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Error Statistics
Displays error statistics.

Detail Info
Displays detailed port information such as duplex mode.

Note - AT-View Plus Device Manager allows the user to enter up to 19 characters for the Port Name parameter. However, the current firmware version truncates it to 16 characters.

Note - The current firmware version allows the Port HOL Limit parameter to be set to a value in the range [0-2147483647] inclusive.

Note - The current firmware version does not allow the Port Back Pressure Limit parameter to be configured.

Note - Valid MIB Set values for the Port Flow Control parameter are 'disable' and 'enable'. Attempting to set Port Flow Control to 'unknown' will cause the parameter to be set to 'enable'.

Note - Valid MIB Set values for the Port Back Pressure parameter are 'disable' and 'enable'. Attempting to set Port Back Pressure to 'unknown' will cause the parameter to be set to 'enable'.

Note - The Port CoS/QoS Priority parameter is not applicable to the AT-8500 series and should be ignored.

Note - AT-8550 : The current firmware version allows the Port Speed and Mode parameter of a GBIC or SFP port to be set to '10Mbps full-duplex' or '100Mbps full-duplex' even if the GBIC or SFP module inserted is not capable of 10/100 Mbps connectivity.

Note - AT-8550 : The 10/100/1000Base-T twisted pair ports cannot be manually set to 1000Mbps. However, the current firmware version allows the Port Speed and Mode parameter for these ports to be set to '1Gbps full-duplex' or '1Gbps half-duplex'.

Note - Setting the Port MDIO parameter to 'auto mdix' will cause the parameter to bet set to 'mdi'.

CoS

Displays Class of Service parameters and allows you to configure CoS for a port, change the default mappings of CoS priorites to egress priority queues and configure a scheduling method for Class of Service.

Note - Valid MIB Set values for the Queue Weight parameters are in the range [1-255] inclusive.

Note - Valid MIB Set values for the CoS Queue parameters are:

- egress-queue-0
- egress-queue-1
- egress-queue-2
- egress-queue-3

Attempting to set these parameters to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Enable

Enables the port.

Disable

Disables the port.

Port Mirroring

Displays Port Mirroring parameters and allows you to create/delete a port mirror.

Note - The current firmware version does not allow the Port Mirroring Status parameter to be set to 'enabled' if, upon device startup, the Port Mirroring feature is disabled.

Note - The Mirroring Source Module, Mirroring Source Port and Mirroring Destination Module parameters are not applicable to the AT-8500 series and should be ignored.

MAC Address Security

Displays MAC Address Security parameters and allows you to set the security level for dynamic and static MAC addresses learned and assigned to a port.

Note - The current firmware version allows the Security Threshold parameter to be set to a value in the range [1-255] inclusive.

DoS Defense

Displays DoS Defense parameters and allows you to enable/disable a defense mechanism on a port.

Note - The Module ID and Port Number parameters under each Attack Type option do not return valid values. They return "noSuchName.", "No such instance" or NULL.

Stacking Menu

From the Stacking menu, you can access slave switches and other Master switches in the enhanced stack.

Stacking Info

Displays Enhanced Stacking parameters, allows you to set the switch's enhanced stacking status and select a switch to manage in the enhanced stack.

Expansion Module Notes

Note - When adding/removing/changing an expansion module, AT-View Plus Device Manager does not automatically refresh the device image in the main window to reflect the addition/removal/change. To view the updated device image, click on the Refresh option under the Agent menu.

Note - Configurable parameters under the Detail Info option cannot be modified for the AT-A45 expansion modules. Attempting to do so will result in the error message: "The error occurred with 'Set' operation. Error: gen Error."

Note - The AT-A45 expansion module ports cannot be enabled/disabled. Attempting to do so will result in the error message: "The error occurred with 'Set' operation. Error: gen Error."

Note - The AT-A46 expansion module port cannot be manually set to 1000Mbps. However, the current firmware version allows the Port Speed and Mode parameter for this port to be set to '1Gbps full-duplex' or '1Gbps half-duplex'

Note - The current firmware version allows the Port Speed and Mode parameter of the AT-A47 expansion module port to be set to '10Mbps full-duplex' or '100Mbps full-duplex' even if the GBIC installed is not capable of 10/100 Mbps connectivity.

Note - The Port Speed and Mode parameter of the AT-STACKM expansion module port should have a fixed value of 'auto sense'. However, the current firmware version allows it to be changed to '10Mbps full-duplex', '100Mbps full-duplex' or '1Gbps full-duplex'.

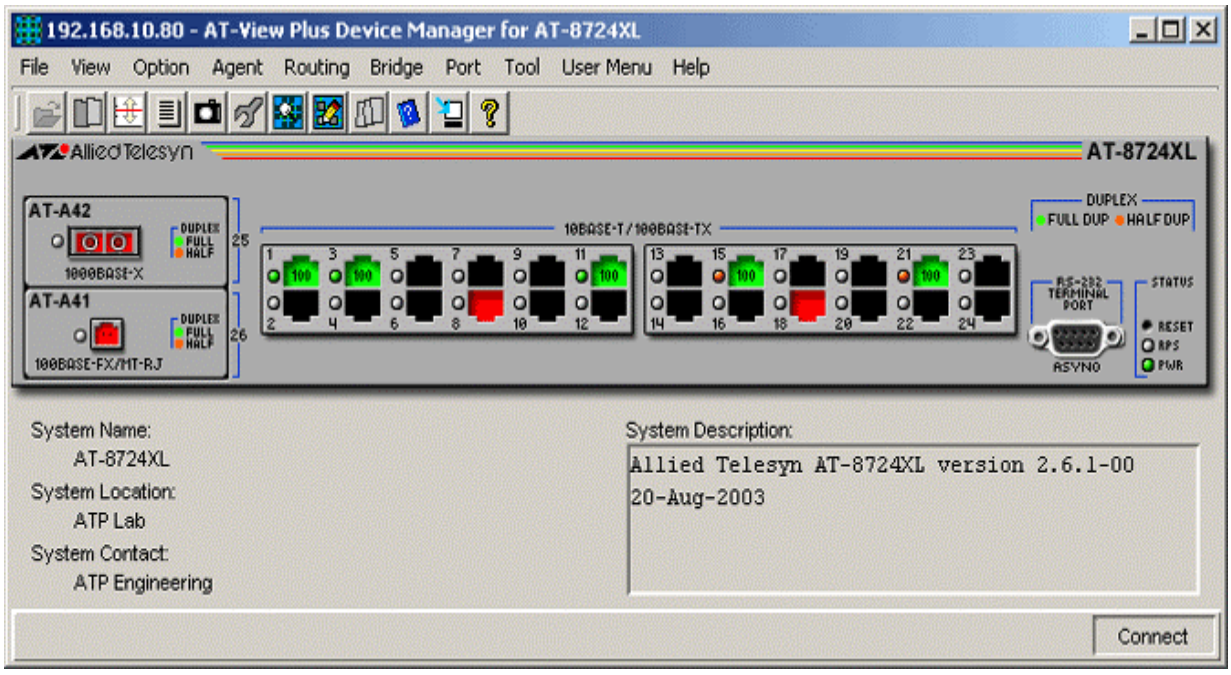
AT-8500 Series

AT-8724XL

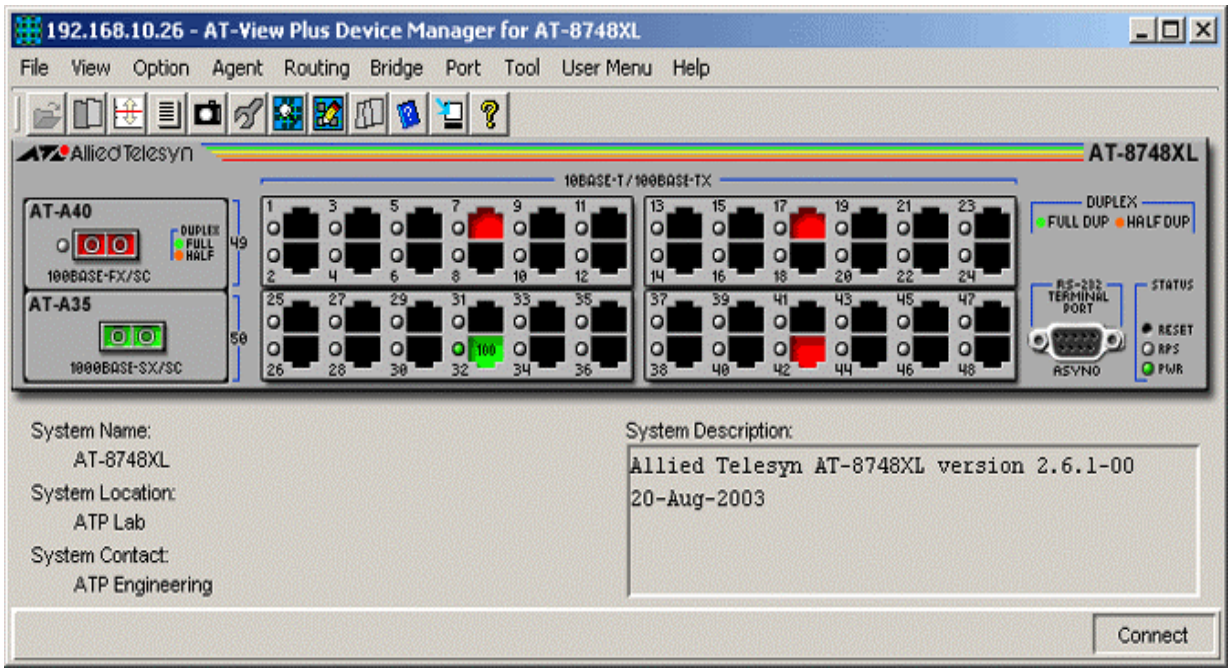
This section describes AT-View Plus Device Manager menus and operations specific to the AT-8724XL and AT-8724XL-DC Advanced Layer 2 Switches.

Topics:

Main Window



AT-8724XL



AT-8748XL

Device Manager LEDs for AT-8700XL Series (AC Models)		
LED	**State**	**Description**
PWR	Green	The switch is receiving power from the main power supply.
	Red	Main power supply is either off or has failed.
RPS	Green	The switch is receiving power from the redundant power supply.
	Red	RPS has failed.
	Gray	RPS is not installed or RPS monitoring is disabled.
DUPLEX	Green	The port is operating at full duplex.
	Orange	The port is operating at half duplex.

Device Manager LEDs for AT-8700XL Series (DC Models)		
LED	**State**	**Description**
PWR	Green	The switch is receiving power.
DUPLEX	Green	The port is operating at full duplex.
	Orange	The port is operating at half duplex.

Note - AT-8724XL and AT-8724XL-DC share the same device image.

Note - AT-8748XL and AT-8748XL-DC share the same device image.

Note - Please refer to Uplink Modules for the operations and behavior of the uplink modules installed on these devices.

Note - To turn RPS monitoring on or off on the switch, from the switch command line interface enter the command SET SYSTEM RPSMONITOR={ON|OFF}. To see whether RPS monitoring is on, use the command SHOW SYSTEM. To turn on RPS monitoring using SNMP, set the fanAndPsRpsMonitoringStatus variable to on.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the RPS LED on the DC models.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info
: Displays basic system information, including system name, location, contact and description.

Power Supply Info
: Displays information about the power supply, redundant power supply and power supply monitoring. (AC models only)

File List
: Displays a list of the files in the switch's flash file system.

Config File Name
: Displays the file name of the start-up configuration file.

Telnet
: Starts a Telnet connection to the switch.

WEB browser
: Opens your web browser and connects to the switch's HTTP server.

  Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the switch's IP routing functions.

ARP Table
Displays the mapping of IP addresses to MAC addresses (the ARP cache), on the switch.

Address Table
Displays the list of IP interfaces and their IP addresses on the switch.

Route Table
Displays the IP routing table on the switch.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays statistics about ICMP, including the number of ICMP datagrams received.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics.

Spanning Tree Info
Displays the port's spanning tree parameters.

Enable
Enables the port.

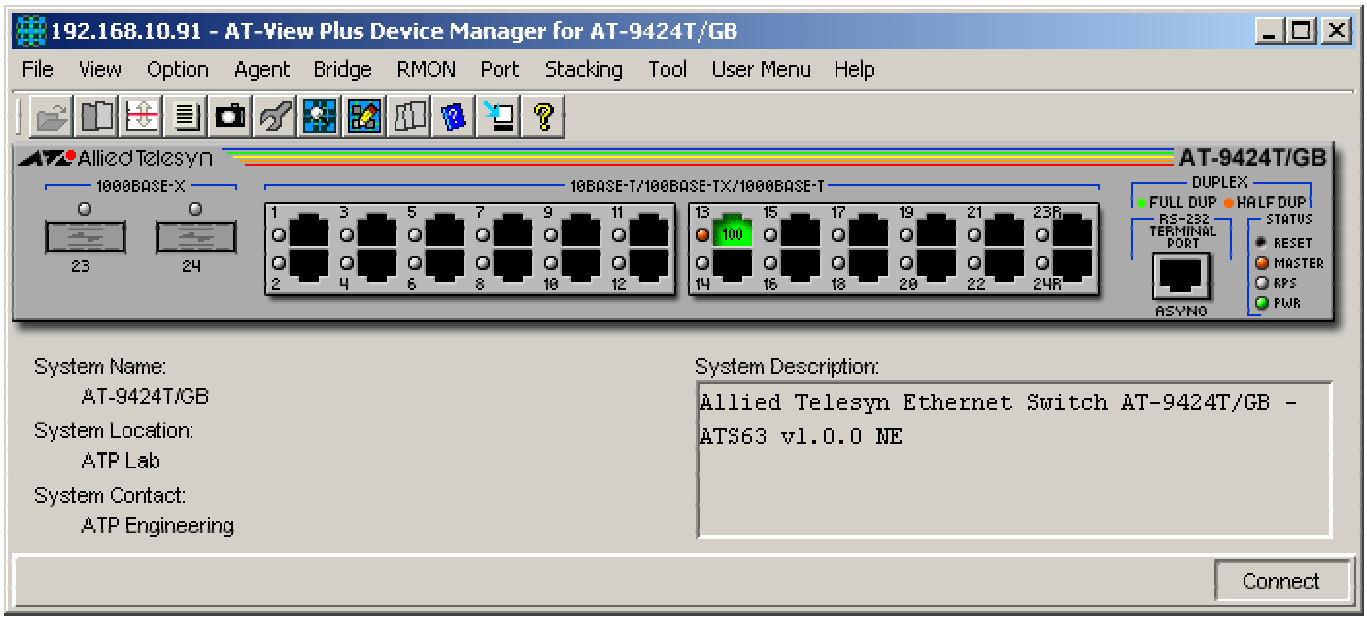
Disable
Disables the port.

AT-9400 Series

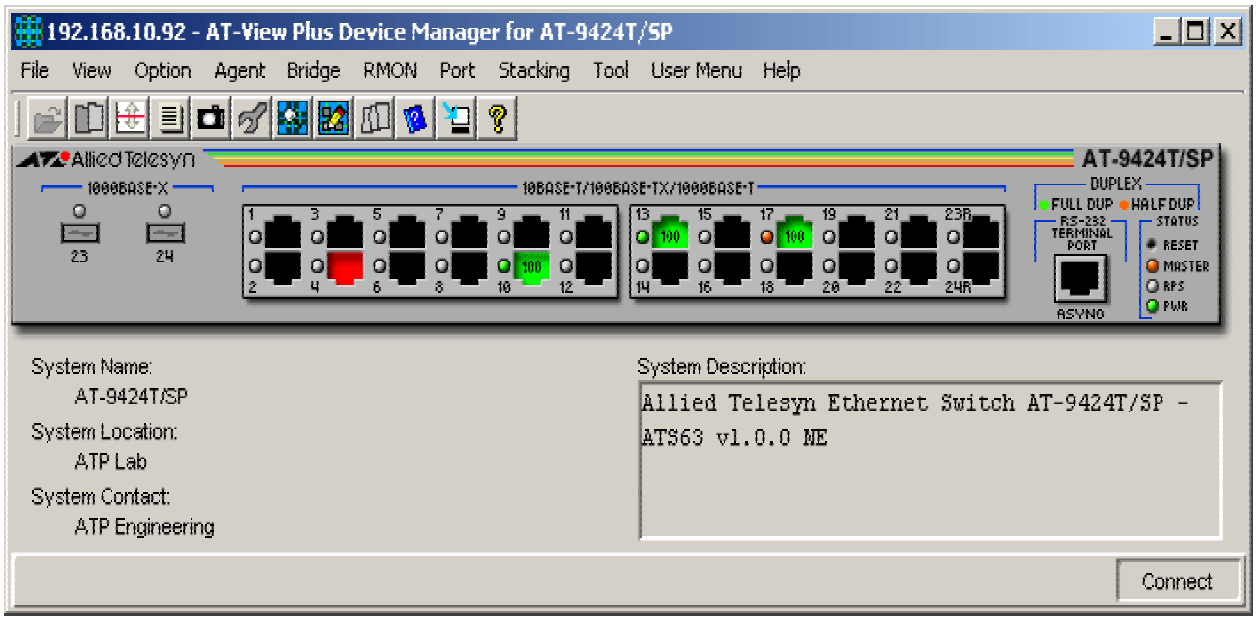
This section describes AT-View Plus Device Manager menus and operations specific to the AT-9400 Series.

Topics:

Main Window



AT-9424T/GB



AT-9424T/SP

Device Manager LEDs for AT-9400 Series

LED	State	Description
PWR	Green	The switch is receiving power.
MASTER	Orange Gray	The switch is the master switch of an enhanced stack. The switch is a slave switch or is not a member of an enhanced stack.
DUPLEX	Green Orange	The port is operating in full-duplex mode. The port is operating in half-duplex mode.

Note - Status information for the uplink ports will always be reflected on the redundant uplink port images regardless of whether it is the primary or the redundant uplink ports that are actually in operation.

Note - When connecting to a slave switch, AT-View Plus Device Manager does not automatically replace the master switch image in the main window with the slave switch image. The same is true when returning to the master switch from the slave switch. To view the updated image, click on the Refresh option under the Agent menu.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the RPS LED.

Agent Menu

From the Agent menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - Configuring the System Contact, System Name and System Location parameters may sometimes result in the error message: "The error occurred with 'Set' operation. Error: gen Error." However, the values are still set successfully.

Note - The current firmware version allows the user to enter up to 39 characters for the System Contact and System Location parameters.

Firmware Info

Displays firmware version.

Network Info

Displays network-related information such as the addresses of the default gateway and the agents.

Device Info

Displays general information about the switch.

Note - The current firmware version returns '???(0)' for the Uplink A Port Type and Uplink B Port Type parameters.

MAC Address Table

Displays a list of static MAC addresses configured on the switch.

Note - The MIB (atiStackSwitch.mib v2.10) supported by the current firmware version defines the Module ID and Port ID parameters as "read-write". As a result, AT-View Plus Device Manager displays these parameters as configurable objects. However, attempting to configure these parameters will show that the firmware does not accept any value.

Note - The only valid MIB Set value for the Status parameter is 'destroy'. Attempting to set this parameter to any other value may result in the value being ignored or the error message: "The error occurred with 'Set' operation. Error: bad value."

Reset

Resets the switch.

Note - The current firmware version does not allow the Reset option to restart the switch.

Telnet

Starts a Telnet connection to the switch.

WEB Browser

Connects to the switch's HTTP server.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Note - The current firmware version allows the Aging Time parameter to be set to a value in the range [0-1048575] inclusive.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

RMON Menu

From the RMON menu you can view and edit the RMON MIB.

Statistics
Displays traffic statistics in the network segment attached to each port.

History Control Table
Displays the RMON History table.

Note - The current firmware version is unable to provide History Control Table information. As a result, the following error message appears: "Failed to get MIB data."

Alarm Table
Displays the RMON Alarm table.

Event Table
Displays the RMON Event table.

Event Log
Displays the RMON Event log.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization

Displays the port's utilization information.

Interface Info

Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Note - Valid MIB Set values for the Administration Status parameter are 'up' and 'down'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value."

Error Statistics

Displays error statistics.

Detail Info

Displays detailed port information such as duplex mode.

Note - Setting the Port MDIO parameter to 'auto mdix' will cause the parameter to be set to 'mdi'.

Note - The current firmware version (AT-S63 v1.0.0 NE) supports atiStackSwitch.mib v2.9. However, AT-View Plus Device Manager supports atiStackSwitch.mib v2.10. As a result, Port HOL Blocking and Port Admin State, which are parameters defined in v2.9 but not in v2.10, will appear as the Port HOL Limit and the Port STP State parameters respectively.

Note - The current firmware version does not allow the Port Back Pressure Limit parameter to be configured.

Note - Valid MIB Set values for the Port Flow Control parameter are 'disable' and 'enable'. Attempting to set Port Flow Control to 'unknown' will cause the parameter to be set to 'enable'.

Note - Valid MIB Set values for the Port Back Pressure parameter are 'disable' and 'enable'. Attempting to set Port Back Pressure to 'unknown' will cause the parameter to be set to 'enable'.

Note - The Port State and Port CoS/QoS Priority parameters are not applicable to the AT-9400 series and should be ignored.

Spanning Tree Info

Displays the port's spanning tree parameters.

CoS

Displays Class of Service parameters and allows you to configure CoS for a port, change the default mappings of CoS priorites to egress priority queues and configure a scheduling method for Class of Service.

Note - When the priority level of a CoS Queue parameter is modified, what actually gets modified is the priority level of the next higher priority queue. In addition, the priority level is set to the next higher priority.

Note - The current firmware version does not allow the CoS Queue parameters to be set to the following values:

- egress-queue-4
- egress-queue-5
- egress-queue-6
- egress-queue-7

Enable

Enables the port.

Disable

Disables the port.

Port Mirroring

Displays Port Mirroring parameters and allows you to create/delete a port mirror.

Note - The current firmware version does not allow the Port Mirroring Status parameter to be set to 'enabled' if, upon device startup, the Port Mirroring feature is disabled.

Note - The current firmware version does not allow the Mirroring Source Port (Ingress) and Mirroring Source Port (Egress) parameters to be set to NULL.

Note - The current firmware version does not allow the Mirroring Destination Port parameter to be set to 0.

Note - The Mirroring Source Module, Mirroring Source Port and Mirroring Destination Module parameters are not applicable to the AT-9400 series and should be ignored.

MAC Address Security

Displays MAC Address Security parameters and allows you to set the security level for dynamic and static MAC addresses learned and assigned to a port.

Note - The current firmware version allows the Security Threshold parameter to be set to a value in the range [1-255] inclusive.

DoS Defense

Displays DoS Defense parameters and allows you to enable/disable a defense mechanism on a port.

Note - The Module ID and Port Number parameters under each Attack Type option do not return valid values. They return "noSuchName", "No such instance" or NULL.

Stacking Menu

From the Stacking menu, you can access slave switches and other Master switches in the enhanced stack.

Stacking Info

Displays Enahanced Stacking parameters, allows you to set the switch's enhanced stacking status and select a switch to manage in the enhanced stack.

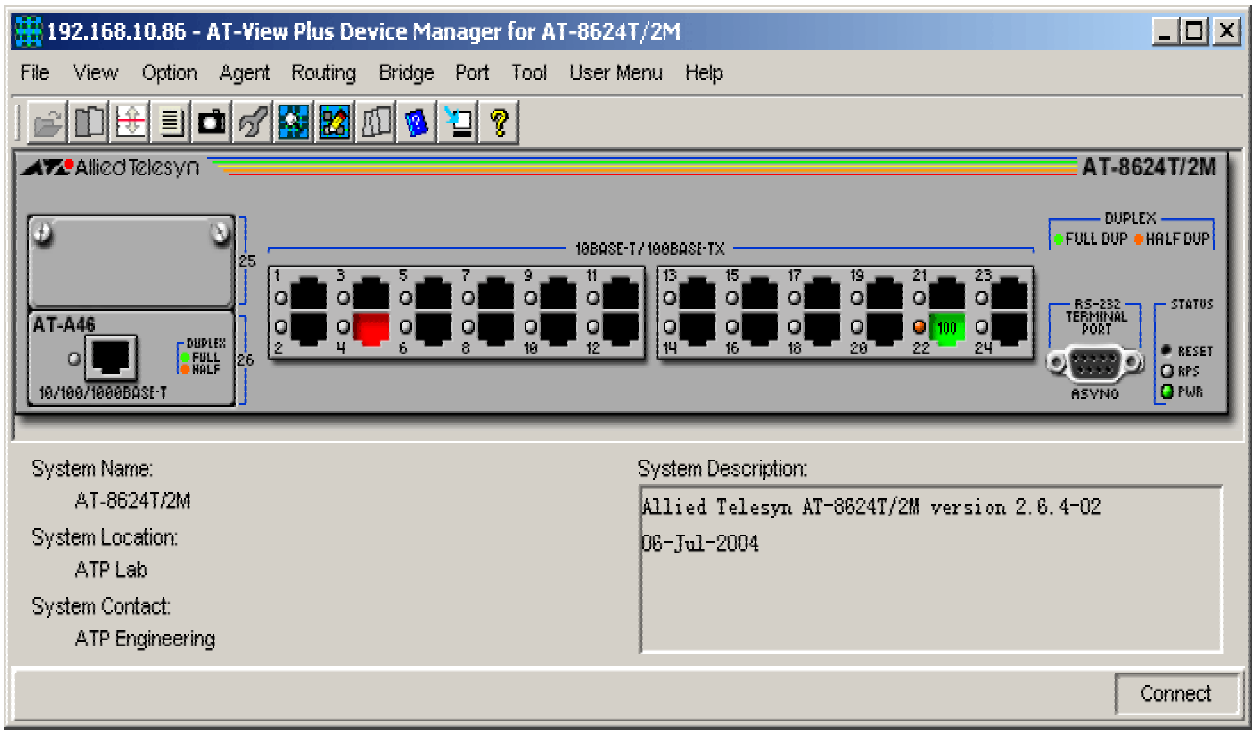
AT-9400 Series

AT-8624T/2M

This section describes AT-View Plus Device Manager menus and operations specific to the AT-8624T/2M Layer 3 Switch.

Topics:

Main Window



AT-8624T/2M

Device Manager LEDs for AT-8624T/2M		
LED	**State**	**Description**
PWR	Green	The switch is receiving power from the main power supply.
	Red	Main power supply is either off or has failed.
RPS	Green	The switch is receiving power from the redundant power supply.
	Red	RPS has failed.
	Gray	RPS is not installed or RPS monitoring is disabled.
DUPLEX	Green	The port is operating at full duplex.
	Orange	The port is operating at half duplex.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

Power Supply Info
Displays information about the power supply, redundant power supply and power supply monitoring.

File List
Displays a list of the files in the switch's file system.

Config File Name
Displays the file name of the start-up configuration file.

Telnet
Starts a Telnet connection to the switch.

WEB Browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the switch's IP routing functions.

ARP Table
Displays the mapping of IP addresses to MAC addresses (the ARP cache), on the switch.

Address Table
Displays the list of IP interfaces and their IP addresses on the switch.

Route Table
Displays the IP routing table on the switch.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays statistics about ICMP, including the number of ICMP datagrams received.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics.

Spanning Tree Info
Displays the port's spanning tree parameters.

MAU Info
Displays interface-related MAU information for the port.

MAU Negotiation Info
Displays the MAU's auto-negotiation settings and its status.

Enable
Enables the port.

Disable
Disables the port.

Expansion Module Notes

- A GBIC image is always visible on the GBIC slot of the AT-A47 expansion module even if there is no GBIC physically inserted.

AT-8624T/2M

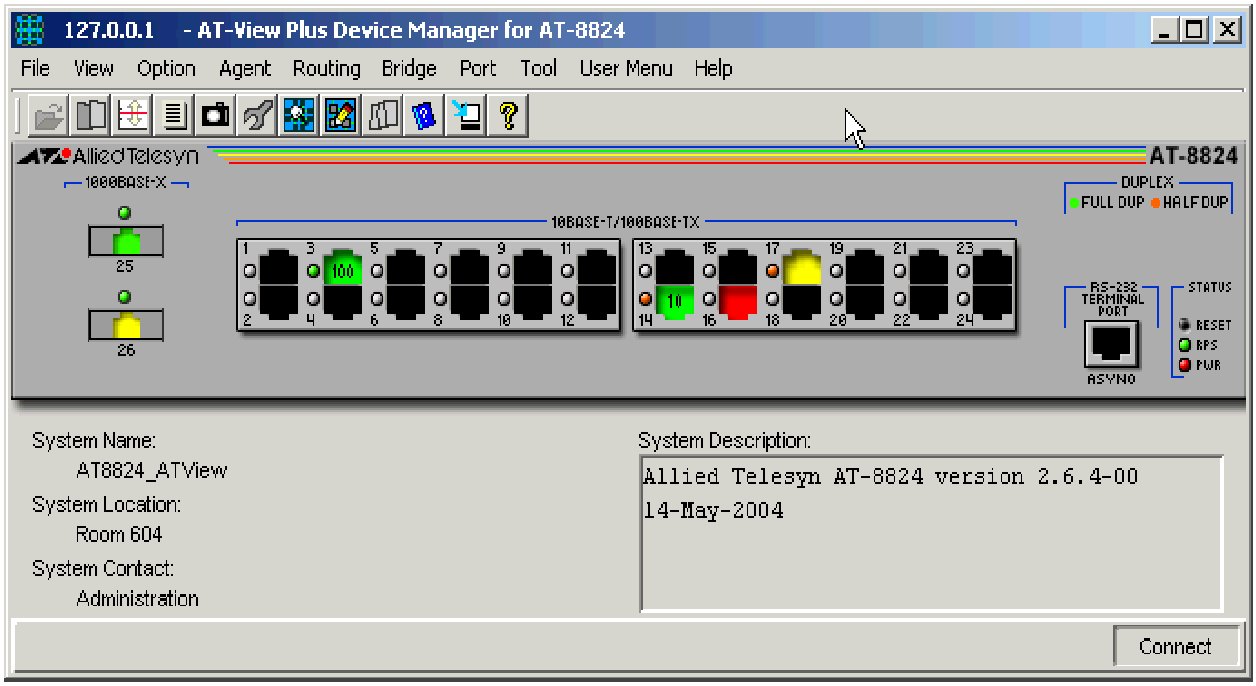
AT-8800 Series

This section describes AT-View Plus Device Manager menus and operations specific to the AT-8800 Series of Intelligent Workgroup Switches.

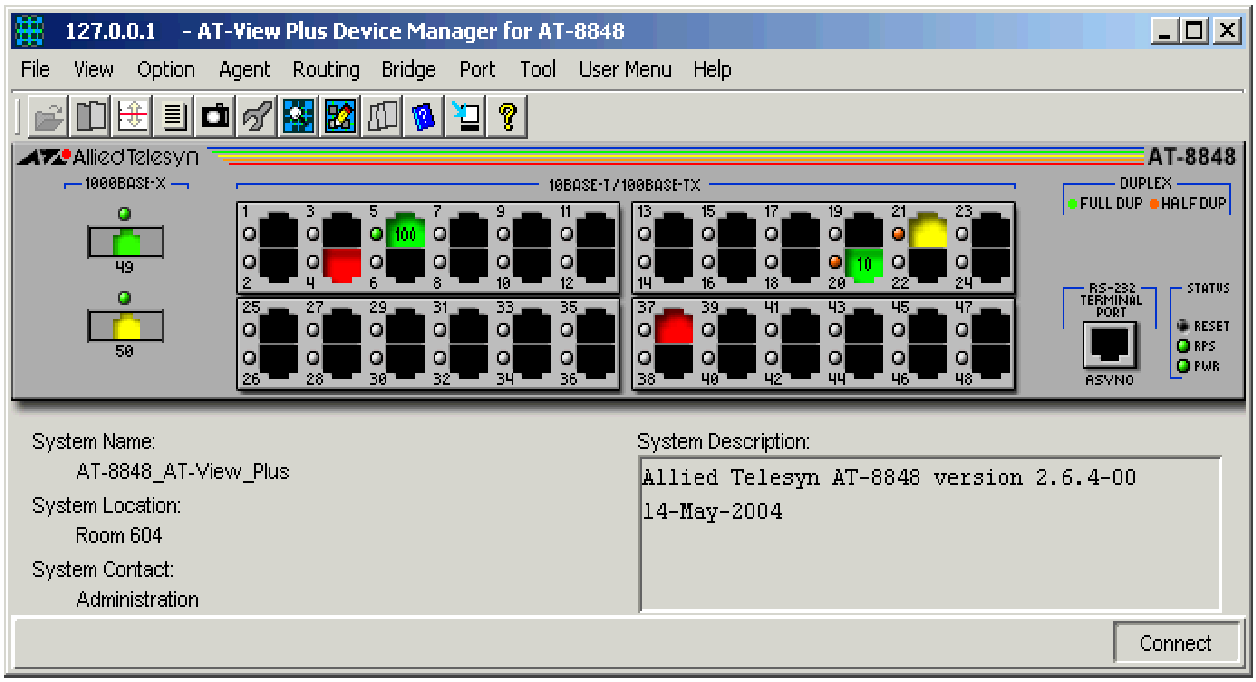
Topics:

- Main Window
- Agent Menu
- Routing Menu
- Bridge Menu
- Port Menu

Main Window



AT-8824



AT-8848

Device Manager LEDs for AT-8800 Series

LED	State	Description
PWR	Green	The switch is receiving power from the main power supply.
	Red	Main power supply is either off or has failed.
RPS	Green	The switch is receiving power from the redundant power supply.
	Red	RPS has failed.
	Gray	RPS is not installed or RPS monitoring is disabled.
DUPLEX	Green	The port is operating at full duplex.
	Orange	The port is operating at half duplex.
	Grey	There is no link over the port.

Note - To turn RPS monitoring on or off on the switch, from the switch command line interface enter the command SET SYSTEM RPSMONITOR={ON|OFF}. To see whether RPS monitoring is on, use the command SHOW SYSTEM. To turn on RPS monitoring using SNMP, set the fanAndPsRpsMonitoringStatus variable to on.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

Firmware Info
Displays a list of software releases installed on the switch.

Power Supply Info
Displays information about the power supply, redundant power supply and power supply monitoring.

File List
Displays a list of the files in the switch's file system.

Config File Name
Displays the file name of the start-up configuration file.

Chassis Temperature Info
Displays the actual temperature of the switch and the temperature status.

Reset Cold
Resets the hardware and executes the default configuration file.

Reset Warm
Performs a warm start of the software modules and executes the default configuration file.

Telnet
Starts a Telnet connection to the switch.

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the switch's IP routing functions.

ARP Table
Displays the ARP cache on the switch.

Address Table
Displays the list of IP interfaces on the switch.

Route Table
Displays the IP routing table on the switch.

IP Statistics
Displays statistics about IP, such as the number of IP datagrams received.

ICMP Statistics
Displays statistics about ICMP, such as the number of ICMP datagrams received.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded for reasons such as lack of memory or the entry's aging timer.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics.

Spanning Tree Info
Displays the port's spanning tree parameters.

MAU Info
Displays interface-related MAU information for the port.

MAU Negotiation Info
Displays the MAU's auto-negotiation settings and its status.

Enable

Enables the port.

Disable

Disables the port.

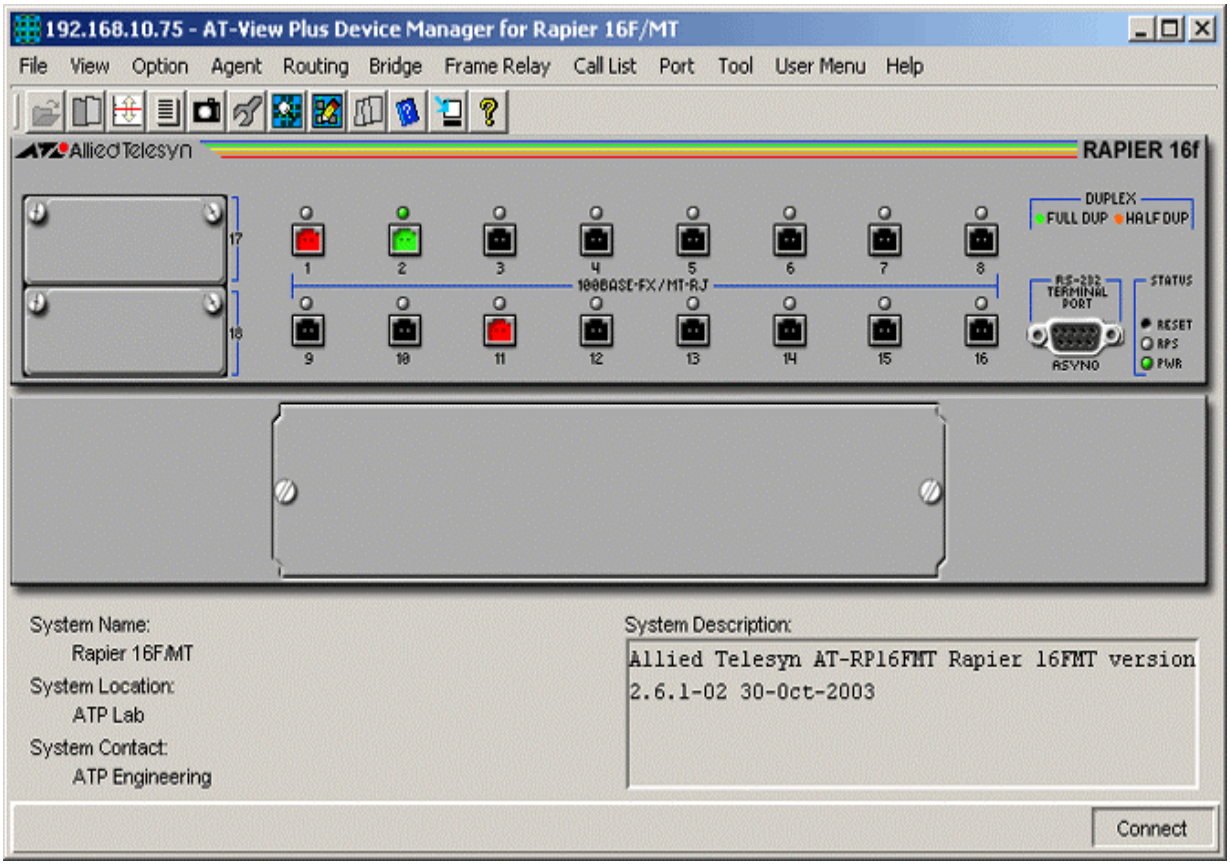
AT-8800 Series

Rapier 16F/MT and 16F/SC

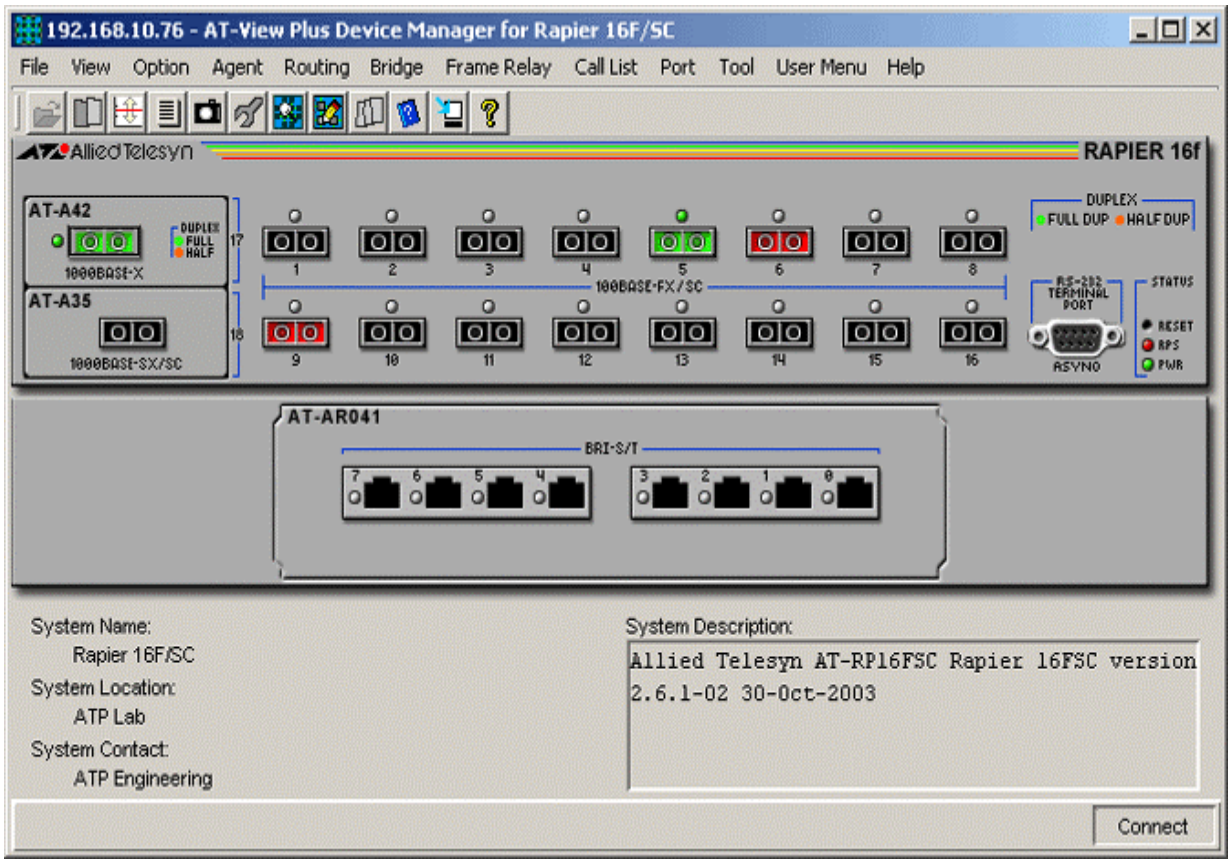
This section describes AT-View Plus Device Manager menus and operations specific to the Rapier 16F/MT and Rapier 16F/SC Layer 3 Fast Ethernet Switches.

Topics:

Main Window



Rapier 16F/MT



Rapier 16F/SC

Device Manager LEDs for Rapier 16F/MT and Rapier 16F/SC		
LED	**State**	**Description**
PWR	Green	The switch is receiving power from the main power supply.
	Red	The main power supply has failed.
RPS	Green	The switch is receiving power from the redundant power supply.
	Red	RPS has failed.
	Gray	RPS is not installed or RPS monitoring is disabled.
DUPLEX	Green	The port is operating at full duplex.
	Orange	The port is operating at half duplex.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Note - Please refer to Uplink Modules for the operations and behavior of the uplink modules installed in this device.

Note - Please refer to Network Service Modules for the operations and behavior of the NSM installed in this device.

Note - To turn RPS monitoring on or off on the switch, from the switch command line interface enter the command SET SYSTEM RPSMONITOR={ON|OFF}. To see whether RPS monitoring is on, use the command SHOW SYSTEM. To turn on RPS monitoring using SNMP, set the fanAndPsRpsMonitoringStatus variable to on.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info
: Displays basic system information, including system name, location, contact and description.

Power Supply Info
: Displays information about the power supply, redundant power supply and power supply monitoring.

File List
: Displays a list of the files in the switch's file system.

Config File Name
: Displays the file name of the start-up configuration file.

Telnet
: Starts a Telnet connection to the switch.

WEB browser
: Opens your web browser and connects to the switch's HTTP server.

  Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the switch's IP routing functions.

ARP Table
: Displays the mapping of IP addresses to MAC addresses (the ARP cache), on the switch.

Address Table
: Displays the list of IP interfaces and their IP addresses on the switch.

Route Table
: Displays the IP routing table on the switch.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays statistics about ICMP, including the number of ICMP datagrams received.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

Frame Relay Menu

From the Frame Relay menu you can view and edit Frame Relay information. The Frame Relay submenus are greyed out if the Frame Relay is not configured.

DLCMI Info
Displays DLCMI (Data Link Connection Management Interface) information.

Circuit Info
Displays Frame Relay circuit statistics.

Error Info
Displays information about errors related to the Frame Relay module.

Call List Menu

From the Call List menu, you can view ISDN call information. The Call List submenus are greyed out if the device is not configured for ISDN.

Detail Info
Displays ISDN call information such as ISDN number and call direction for active calls.

Active call
Displays information about currently active ISDN calls.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics.

Spanning Tree Info
Displays the port's spanning tree parameters.

Enable
Enables the port.

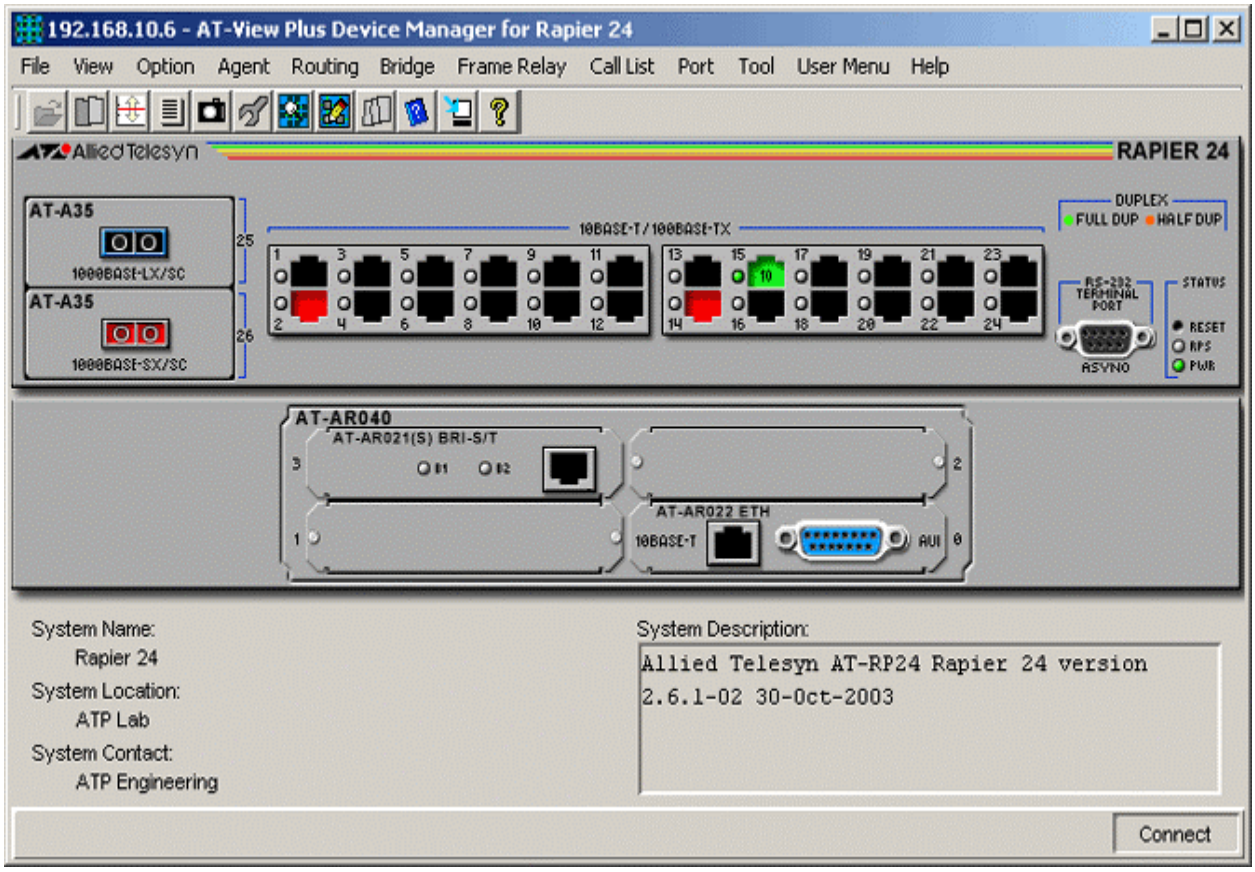
Disable
Disables the port.

Rapier 24 and 24i

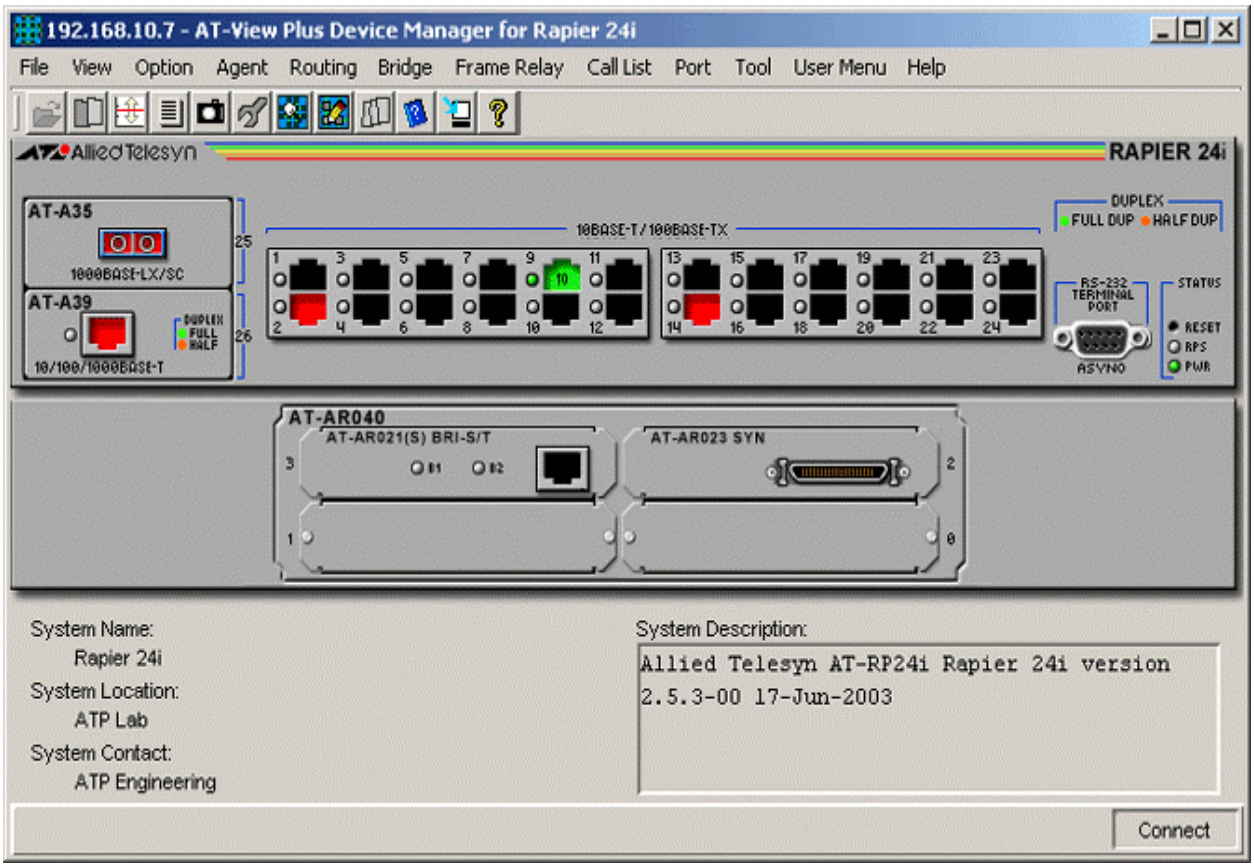
This section describes AT-View Plus Device Manager menus and operations specific to the Rapier 24 and Rapier 24i Layer 3 Fast Ethernet Switches.

Topics:

Main Window



Rapier 24



Rapier 24i

Device Manager LEDs for Rapier 24 and 24i		
LED	**State**	**Description**
PWR	Green	The switch is receiving power from the main power supply.
	Red	Main power supply is either off or has failed.
RPS	Green	The switch is receiving power from the redundant power supply.
	Red	RPS has failed.
	Gray	RPS is not installed or RPS monitoring is disabled.
DUPLEX	Green	The port is operating at full duplex.
	Orange	The port is operating at half duplex.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Note - Please refer to Uplink Modules for the operations and behavior of the uplink modules installed in this device.

Note - Please refer to Network Service Modules for the operations and behavior of the NSM installed in this device.

Note - To turn RPS monitoring on or off on the switch, from the switch command line interface enter the command SET SYSTEM RPSMONITOR={ON|OFF}. To see whether RPS monitoring is on, use the command SHOW SYSTEM. To turn on RPS monitoring using SNMP, set the fanAndPsRpsMonitoringStatus variable to on.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info
: Displays basic system information, including system name, location, contact and description.

Power Supply Info
: Displays information about the power supply, redundant power supply and power supply monitoring.

File List
: Displays a list of the files in the switch's file system.

Config File Name
: Displays the file name of the start-up configuration file.

Telnet
: Starts a Telnet connection to the switch.

WEB browser
: Opens your web browser and connects to the switch's HTTP server.

  Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the switch's IP routing functions.

ARP Table
: Displays the mapping of IP addresses to MAC addresses (the ARP cache), on the switch.

Address Table
: Displays the list of IP interfaces and their IP addresses on the switch.

Route Table
: Displays the IP routing table on the switch.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays statistics about ICMP, including the number of ICMP datagrams received.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

Frame Relay Menu

From the Frame Relay menu you can view and edit Frame Relay information. The Frame Relay submenus are greyed out if the Frame Relay is not configured.

DLCMI Info
Displays DLCMI (Data Link Connection Management Interface) information.

Circuit Info
Displays Frame Relay circuit statistics.

Error Info
Displays information about errors related to the Frame Relay module.

Call List Menu

From the Call List menu, you can view ISDN call information. The Call List submenus are greyed out if an ISDN interface is not installed, and the device is not configured to use ISDN.

Detail Info
Displays ISDN call information such as ISDN number and call direction.

Active call
Displays information about currently active ISDN calls.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics.

Spanning Tree Info
Displays the port's spanning tree parameters.

Enable
Enables the port.

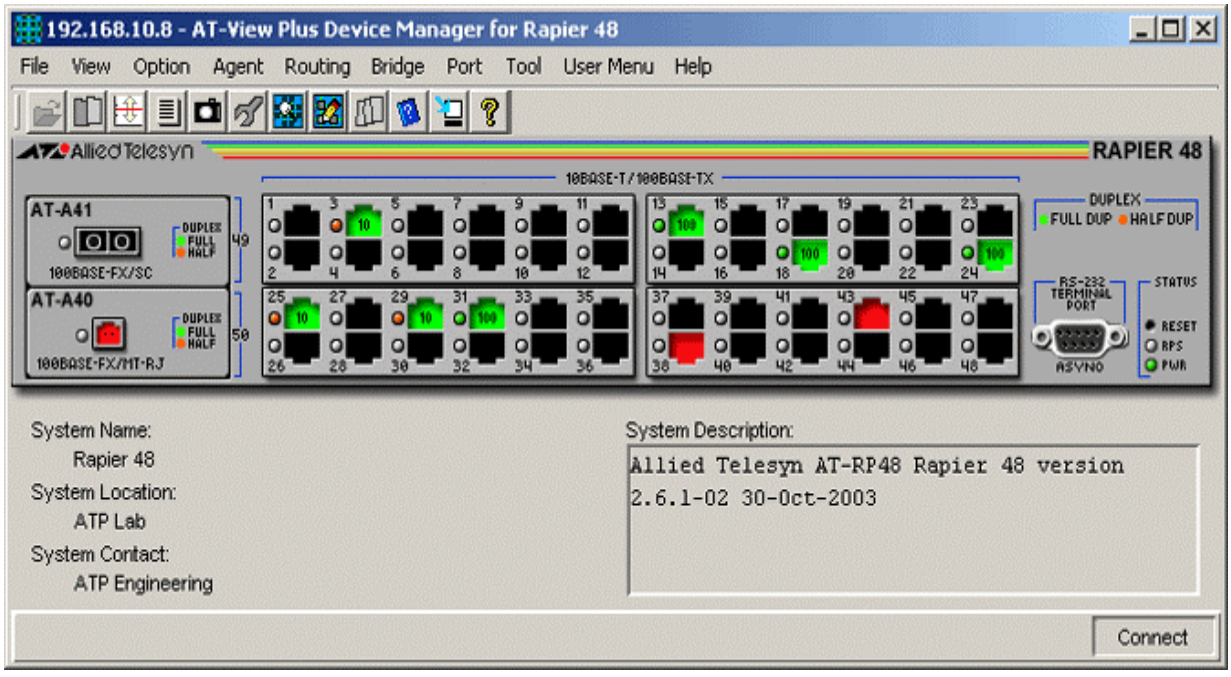
Disable
Disables the port.

Rapier 48 and 48i

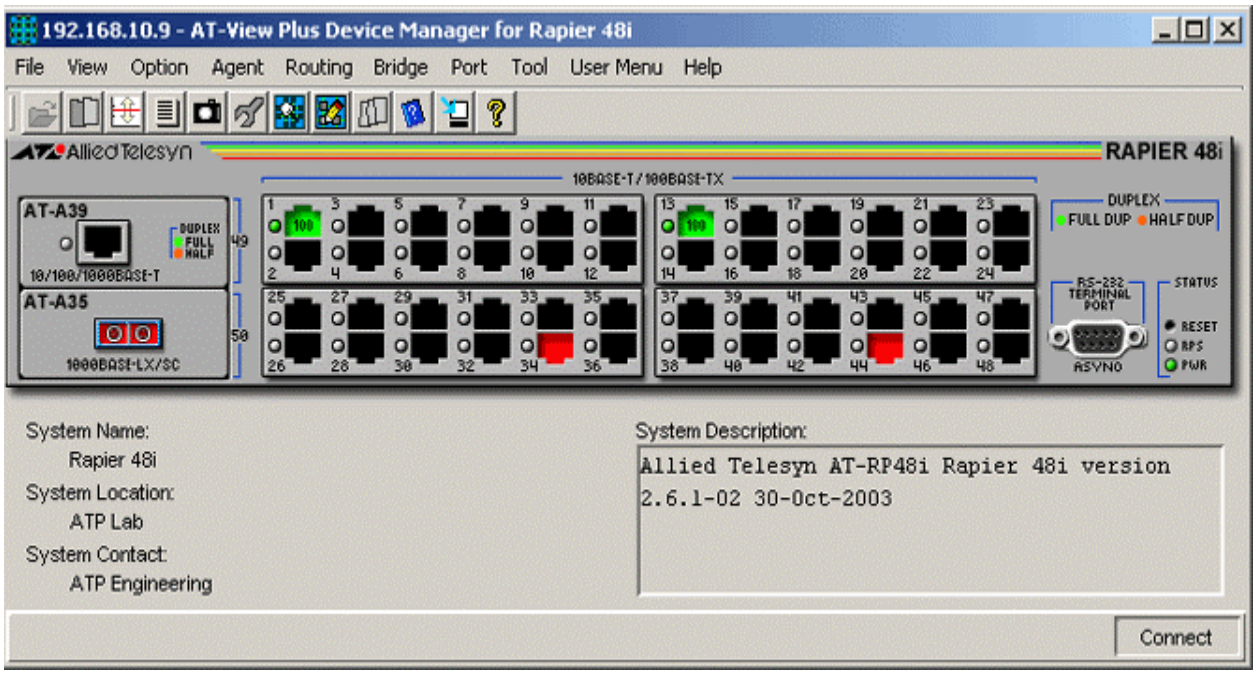
This section describes AT-View Plus Device Manager menus and operations specific to the Rapier 48 and Rapier 48i Layer 3 Switches.

Topics:

Main Window



Rapier 48



Rapier 48i

Device Manager LEDs for Rapier 48 and 48i		
LED	**State**	**Description**
PWR	Green	The switch is receiving power from the main power supply.
	Red	Main power supply is either off or has failed.
RPS	Green	The switch is receiving power from the redundant power supply.
	Red	RPS has failed.
	Gray	RPS is not installed or RPS monitoring is disabled.
DUPLEX	Green	The port is operating at full duplex.
	Orange	The port is operating at half duplex.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Note - Please refer to Uplink Modules for the operations and behavior of the uplink modules installed in this device.

Note - To turn RPS monitoring on or off on the switch, from the switch command line interface enter the command SET SYSTEM RPSMONITOR={ON|OFF}. To see whether RPS monitoring is on, use the command SHOW SYSTEM. To turn on RPS monitoring using SNMP, set the fanAndPsRpsMonitoringStatus variable to on.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

Power Supply Info
Displays information about the power supply, redundant power supply and power supply monitoring.

File List
Displays a list of the files in the switch's file system.

Config File Name
Displays the file name of the start-up configuration file.

Telnet
Connects to the switch's Telnet server.

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the switch's IP routing functions.

ARP Table
Displays the ARP cache on the switch.

Address Table
Displays the list of IP interfaces on the switch.

Route Table
Displays the IP routing table on the switch.

IP Statistics
Displays statistics about IP, such as the number of IP datagrams received.

ICMP Statistics
Displays statistics about ICMP, such as the number of ICMP datagrams received.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded for reasons such as lack of memory or the entry's aging timer.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics.

Spanning Tree Info
Displays the port's spanning tree parameters.

Enable
Enables the port.

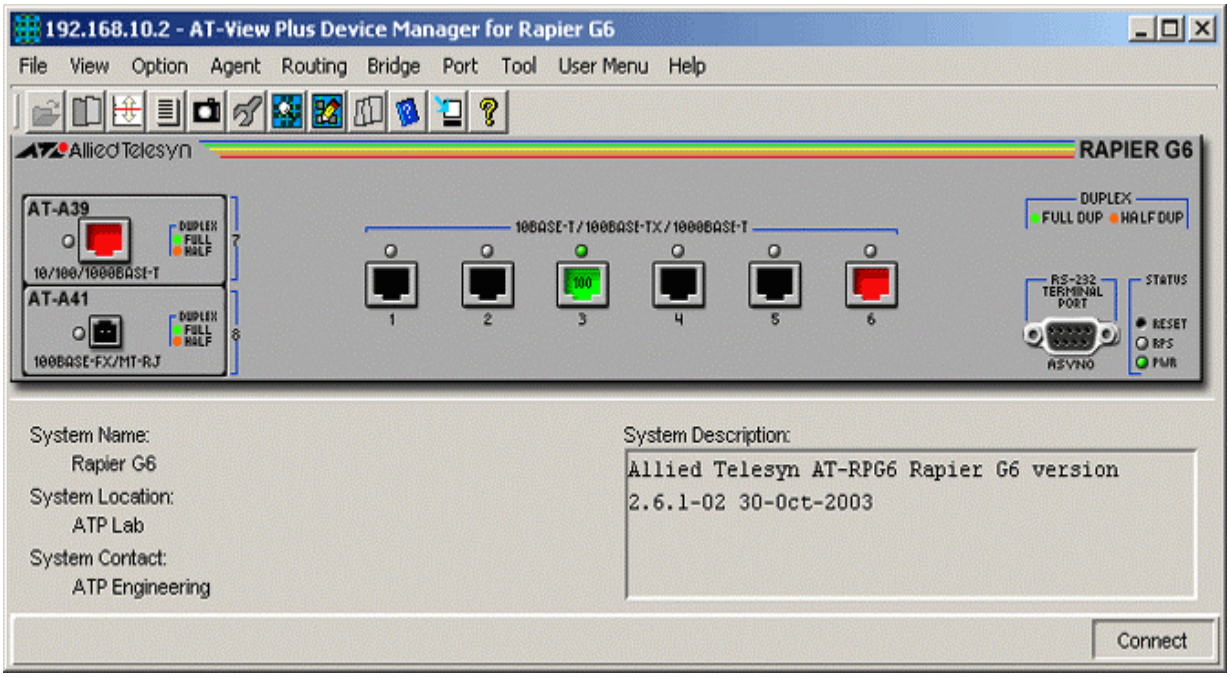
Disable
Disables the port.

Rapier G6

This section describes AT-View Plus Device Manager menus and operations specific to the Rapier G6 Layer 3 Gigabit Ethernet Switch.

Topics:

Main Window



Rapier G6

Device Manager LEDs for Rapier G6		
LED	**State**	**Description**
PWR	Green	The switch is receiving power from the main power supply.
	Red	Main power supply is either off or has failed.
RPS	Green	The switch is receiving power from the redundant power supply.
	Red	RPS has failed.
	Gray	RPS is not installed or RPS monitoring is disabled.
DUPLEX	Green	The port is operating at full duplex.
	Orange	The port is operating at half duplex.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Note - Please refer to Uplink Modules for the operations and behavior of the uplink modules installed in this device.

Note - To turn RPS monitoring on or off on the switch, from the switch command line interface enter the command SET SYSTEM RPSMONITOR={ON|OFF}. To see whether RPS monitoring is on, use the command SHOW SYSTEM. To turn on RPS monitoring using SNMP, set the fanAndPsRpsMonitoringStatus variable to on.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info
: Displays basic system information, including system name, location, contact and description.

Power Supply Info
: Displays information about the power supply, redundant power supply and power supply monitoring.

File List
: Displays a list of the files in the switch's file system.

Config File Name
: Displays the file name of the start-up configuration file.

Telnet
Connects to the switch's Telnet server.

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the switch's IP routing functions.

ARP Table
Displays the ARP cache on the switch.

Address Table
Displays the list of IP interfaces on the switch.

Route Table
Displays the IP routing table on the switch.

IP Statistics
Displays statistics about IP, such as the number of IP datagrams received.

ICMP Statistics
Displays statistics about ICMP, such as the number of ICMP datagrams received.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded for reasons such as lack of memory or the entry's aging timer.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics.

Spanning Tree Info
Displays the port's spanning tree parameters.

Enable
Enables the port.

Disable
Disables the port.

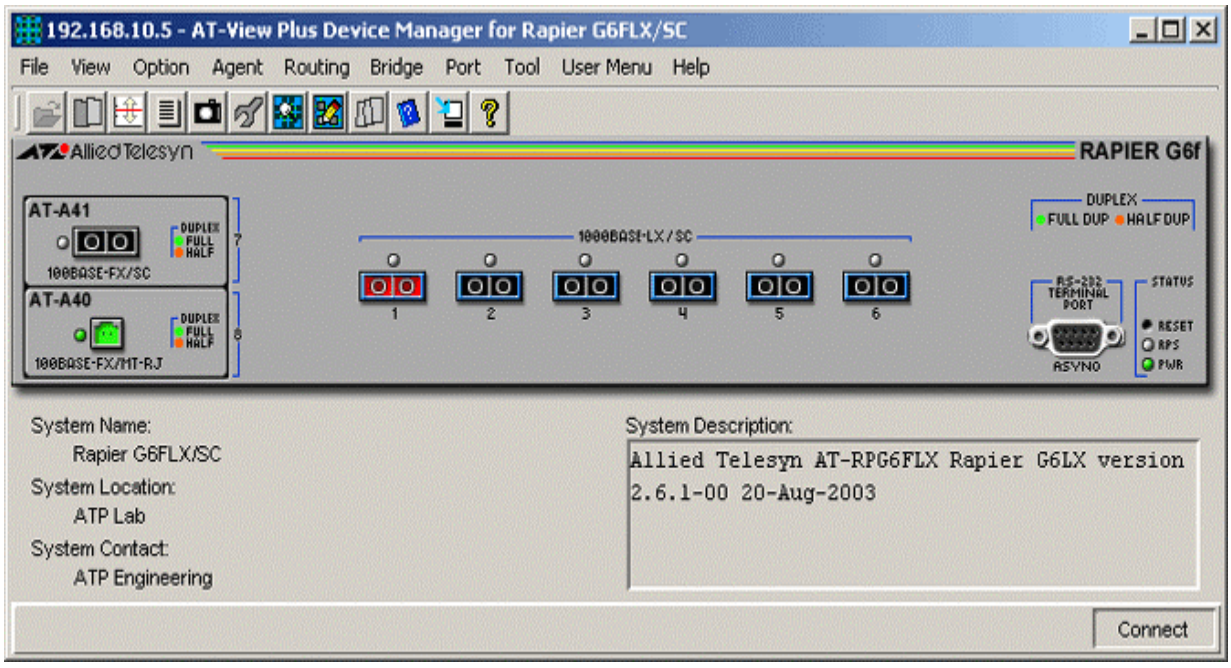
Rapier G6

Rapier G6F-LX/SC, G6F-SX/SC, G6F-SX/MT-RJ

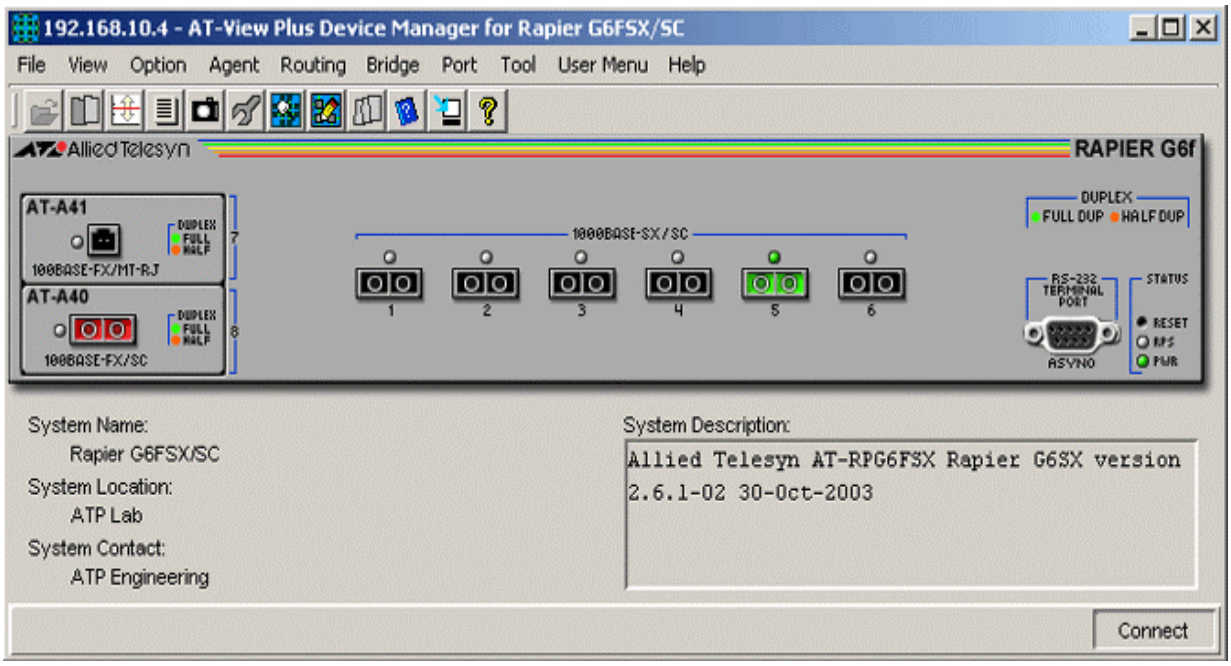
This section describes AT-View Plus Device Manager menus and operations specific to the Rapier G6F-LX/SC, Rapier G6F-SX/SC and Rapier G6F-SX/MT-RJ Layer 3 Gigabit Ethernet Switches.

Topics:

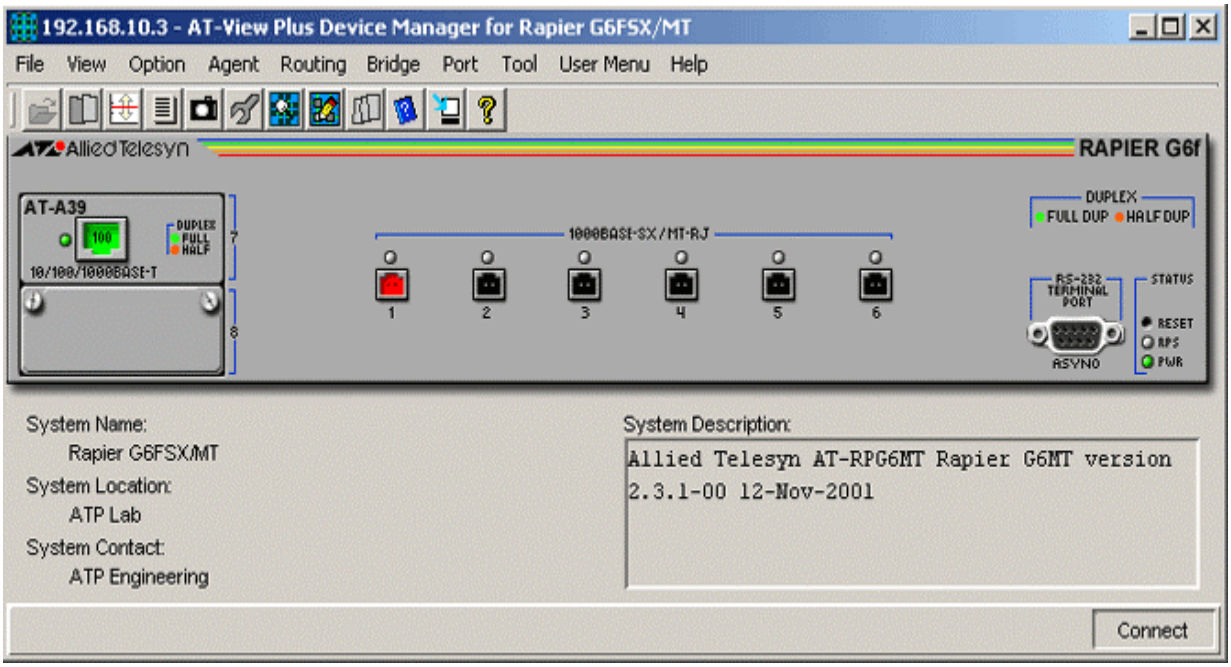
Main Window



Rapier G6F-LX/SC



Rapier G6F-SX/SC



Rapier G6F-SX/MT-RJ

Device Manager LEDs for Rapier G6F		
LED	**State**	**Description**
PWR	Green Red	The switch is receiving power from the main power supply. Main power supply is either off or has failed.
RPS	Green Red Gray	The switch is receiving power from the redundant power supply. RPS has failed. RPS is not installed or RPS monitoring is disabled.
DUPLEX	Green Orange	The port is operating at full duplex. The port is operating at half duplex.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Note - Please refer to Uplink Modules for the operations and behavior of the uplink modules installed in this device.

Note - To turn RPS monitoring on or off on the switch, from the switch command line interface enter the command SET SYSTEM RPSMONITOR={ON|OFF}. To see whether RPS monitoring is on, use the command SHOW SYSTEM. To turn on RPS monitoring using SNMP, set the fanAndPsRpsMonitoringStatus variable to on.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info
: Displays basic system information, including system name, location, contact and description.

Power Supply Info
: Displays information about the power supply, redundant power supply and power supply monitoring.

File List
: Displays a list of the files in the switch's file system.

Config File Name
: Displays the file name of the start-up configuration file.

Telnet
Connects to the switch's Telnet server

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the switch's IP routing functions.

ARP Table
Displays the ARP cache on the switch.

Address Table
Displays the list of IP interfaces on the switch.

Route Table
Displays the IP routing table on the switch.

IP Statistics
Displays statistics about IP, such as the number of IP datagrams received.

ICMP Statistics
Displays statistics about ICMP, such as the number of ICMP datagrams received.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded for reasons such as lack of memory or the entry's aging timer.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics.

Spanning Tree Info
Displays the port's spanning tree parameters.

Enable
Enables the port.

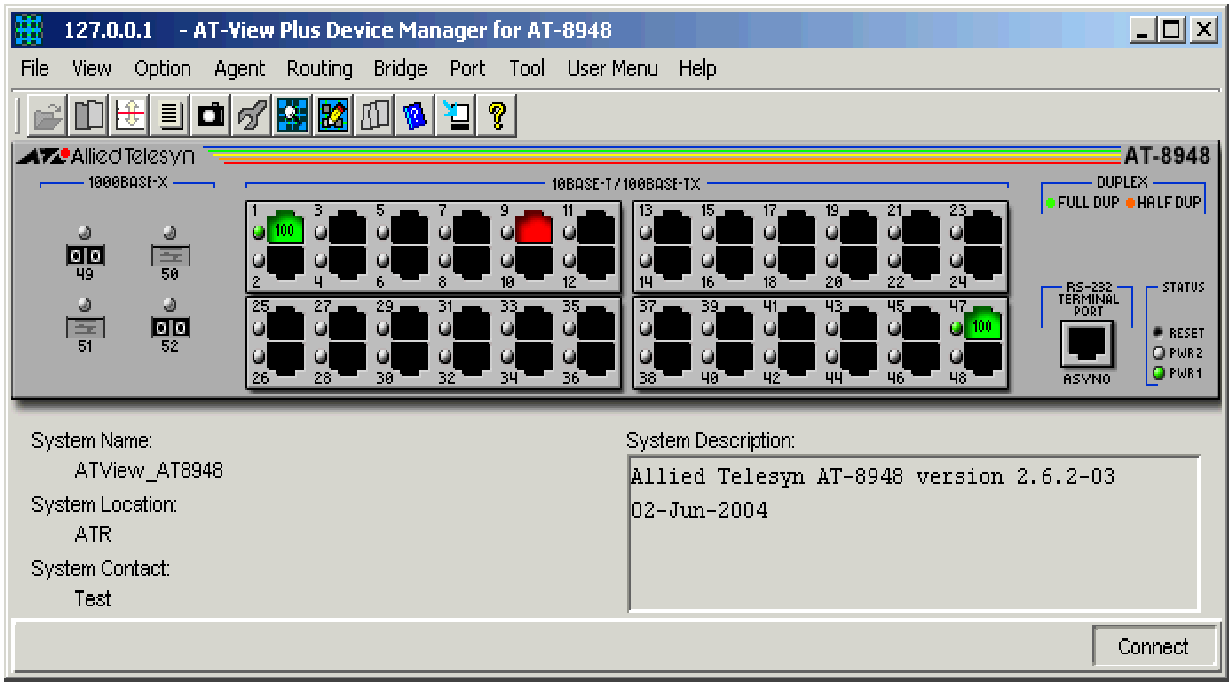
Disable
Disables the port.

AT-8948

This section describes AT-View Plus Device Manager menus and operations specific to the AT-8948 Enhanced Layer 3+ Switch.

Topics:

Main Window



AT-8948

Device Manager LEDs for AT-8948		
LED	**State**	**Description**
PWR 1 and PWR 2	Green Gray Red	There is a power supply unit (PSU) in the PSU bay, and it is supplying power to the switch. There is a functioning Fan Only Module (FOM) in the PSU bay. Either: - there is no PSU or FOM in the PSU bay, or - a PSU is installed but has a power supply or fan fault or its temperature has exceeded its recommended threshhold (75 degrees C), or - an FOM is installed and a fan has failed.
Duplex	Green Orange Gray	The port is operating at full duplex. The port is operating at half duplex. There is no link over the port.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

Power Supply Info
Displays information about the power supply.

Firmware Info
Displays a list of software releases installed on the switch.

File List
Displays a list of the files in the switch's file system.

Config File Name
Displays the file name of the start-up configuration file.

Chassis Temperature and Fan Info
Displays the actual temperature of the switch, the temperature status, and the fan status.

Telnet
Starts a Telnet connection to the switch.

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Reset Cold
Reset Cold resets the hardware and executes the default configuration file. Reset Warm performs a warm start of the software modules and executes the default configuration file.

Routing Menu

From the Routing menu, you can view and edit information about the switch's IP routing functions.

ARP Table
Displays the ARP cache on the switch.

Address Table
Displays the list of IP interfaces on the switch.

Route Table
Displays the IP routing table on the switch.

IP Statistics
Displays statistics about IP, such as the number of IP datagrams received.

ICMP Statistics
Displays statistics about ICMP, such as the number of ICMP datagrams received.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded for reasons such as lack of memory or the entry's aging timer.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics.

Spanning Tree Info
Displays the port's spanning tree parameters.

MAU Info
Displays interface-related MAU information for the port.

MAU Negotiation Info
Displays the MAU's auto-negotiation settings and its status.

Enable
Enables the port.

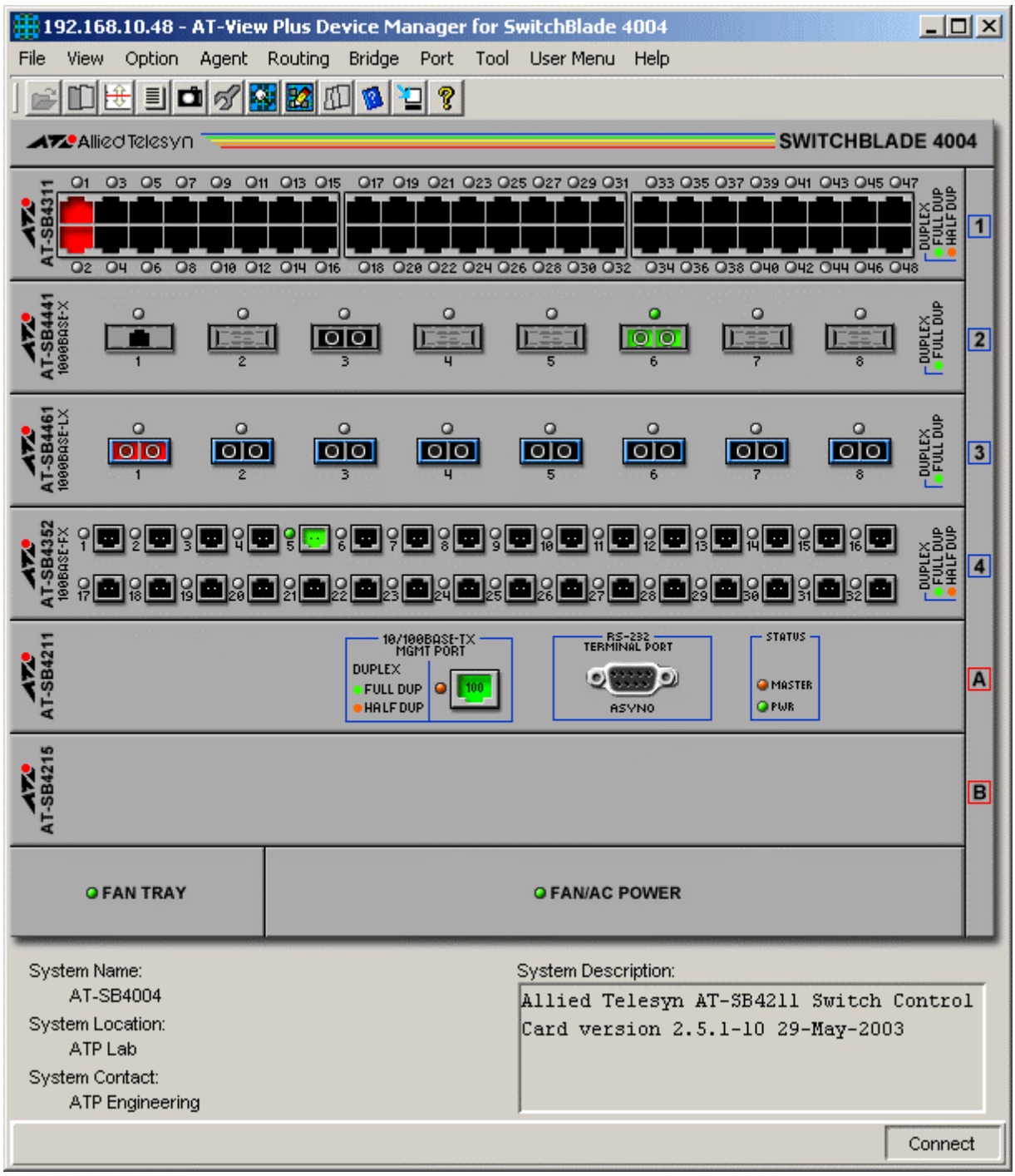
Disable
Disables the port.

SwitchBlade

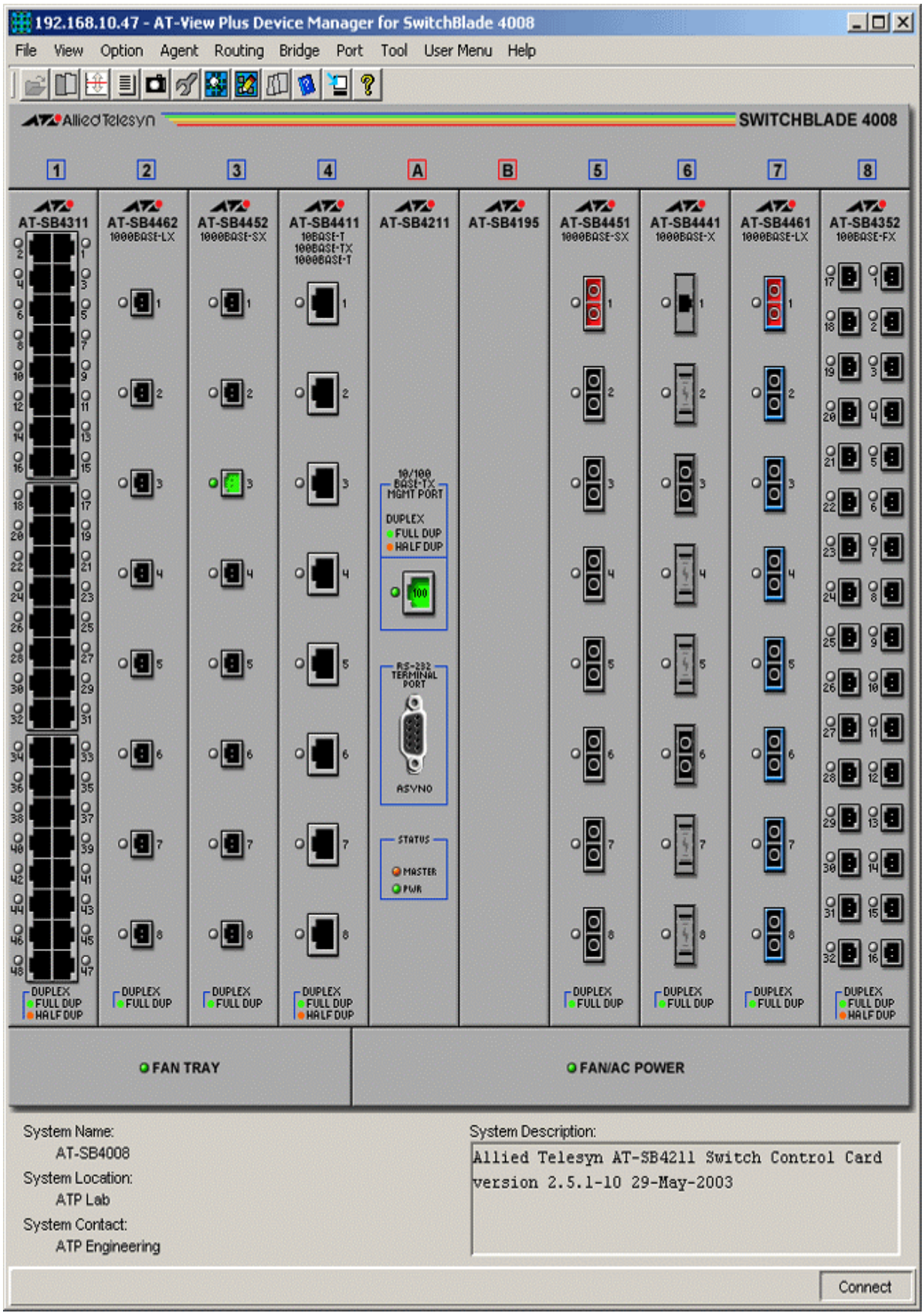
This section describes AT-View Plus Device Manager menus and operations specific to the SwitchBlade Series, including the AT-SB4211 Switch Controller, power supply units and fan tray installed.

Topics:

Main Window



SwitchBlade 4004 with SB4211 Switch Controller, SB4215 Bandwidth Expander, and Line Cards installed



SwitchBlade 4008 with SB4211 Switch Controller and Line Cards installed

Device Manager LEDs for AT-SB4211 Switch Controller		
LED	**State**	**Description**
PWR	Green	The PSU is receiving power from its supply circuit.
MASTER	Orange Gray	The card is the master switch controller. The card is a slave switch controller.
DUPLEX	Green Orange	The port is operating at full duplex. The port is operating at half duplex.

Device Manager LEDs for Fan Tray and Power Supply Units (PSUs)		
LED	**State**	**Description**
FAN TRAY	Green Red	The fan tray is installed and functioning. The fan tray is either not installed or not functioning.
FAN/AC POWER (For AC Model)	Green Red	The power supply units installed including the fans are fully operational. One of the PSU installed or its fan is faulty.
FAN/DC POWER (For DC Model)	Green Red	The power supply units installed including the fans are fully operational. One of the PSU installed or its fan is faulty.

Note - Please refer to SwitchBlade Line Cards for the operations and behavior of the line cards installed on these devices.

Note - There is no distinction between one or more PSUs. The FAN/AC POWER and FAN/DC POWER LEDs show information for all PSUs installed in the device.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

File List

Displays a list of the files in the switch's file system.

Config File Name
Displays the file name of the start-up configuration file.

Boards Info
Displays information about the chassis board, and switch controller and line card boards installed in the device.

Telnet
Starts a Telnet connection to the switch.

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the switch's IP routing functions.

ARP Table
Displays the mapping of IP addresses to MAC addresses (the ARP cache), on the switch.

Address Table
Displays the list of IP interfaces and their IP addresses on the switch.

Route Table
Displays the IP routing table on the switch.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays statistics about ICMP, including the number of ICMP datagrams received.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

Port Menu

From the Port menu, you can view and edit MIB information about the port. For each Port menu option, select first the slot in the SwitchBlade chassis, then the ports in the line card for which you require information. Note that the Port Number shown is the value of the MIB object ifIndex, except for the STP Info option, which shows the value of the MIB object dot1dBasePort.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Detail Info
Displays detailed information about the ports, including multicast and broadcast packets received and transmitted.

Error Statistics
Displays error statistics.

Spanning Tree Info
Displays the port's spanning tree parameters. The Port Number displayed is the MIB object dot1dBasePort.

Enable
Enables the port.

Disable
Disables the port.

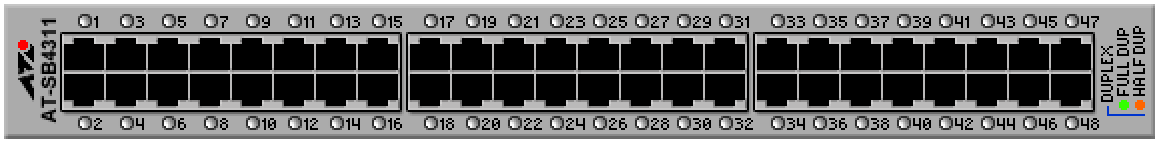
SwitchBlade

SwitchBlade Line Cards

This section describes the SwitchBlade Line Cards in AT-View Plus Device Manager. If the following Line Cards are installed in a SwitchBlade chassis, they are displayed in the main window. The operations available for the SwitchBlade include any of these line cards.

- AT-SB4311
- AT-SB4352
- AT-SB4411
- AT-SB4412
- AT-SB4441
- AT-SB4451
- AT-SB4452
- AT-SB4461
- AT-SB4462

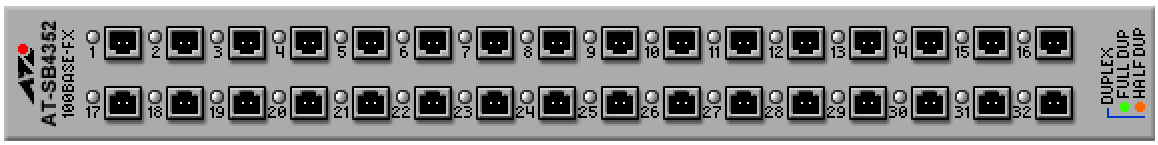
AT-SB4311



48-Port (RJ-45) 10BASE-T/100BASE-TX Fast Ethernet Line Card

LED	State	Description
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

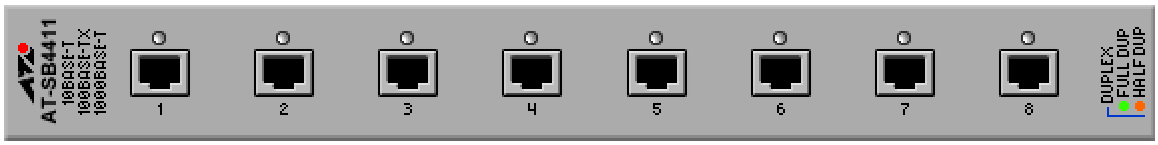
AT-SB4352



32-Port (MT-RJ) 100BASE-FX Fast Ethernet Line Card

LED	State	Description
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

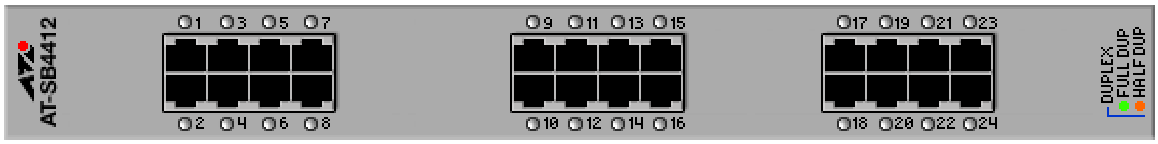
AT-SB4411



8-Port (RJ-45) 10BASE-T/100BASE-TX/1000BASE-T Gigabit Ethernet Line Card

LED	State	Description
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

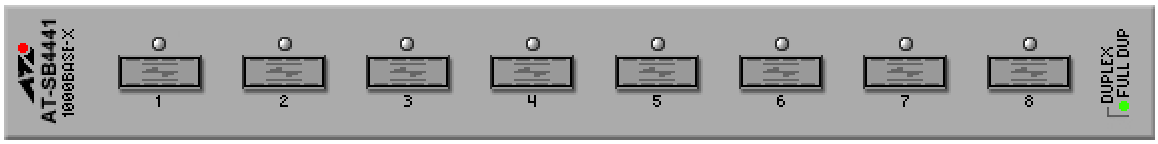
AT-SB4412



24-Port (RJ-45) 10BASE-T/100BASE-TX/1000BASE-T Gigabit Ethernet Line Card

LED	State	Description
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

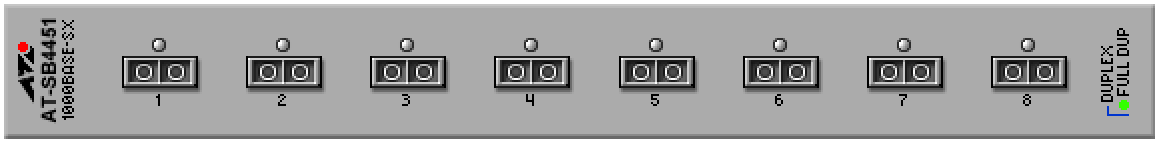
AT-SB4441



8-Port 1000BASE X GBIC Line Card

LED	State	Description
DUPLEX	Green	The port is operating at full-duplex.

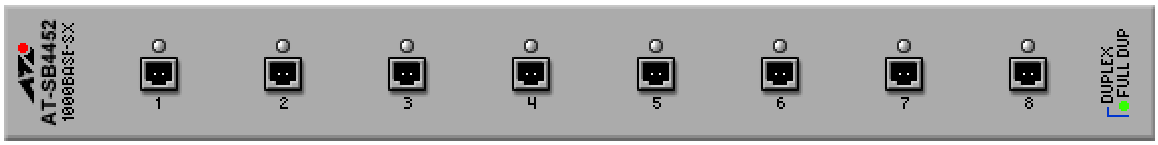
AT-SB4451



8-Port (SC) 1000BASE-SX Gigabit Ethernet Line Card

LED	State	Description
DUPLEX	Green	The port is operating at full-duplex.

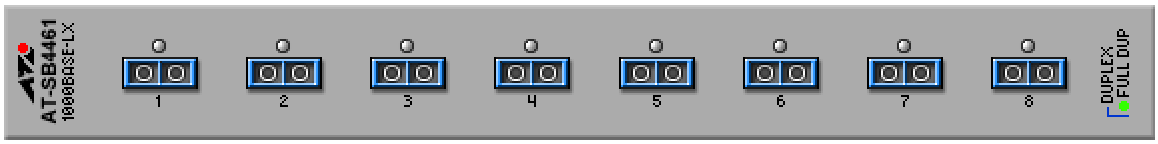
AT-SB4452



8-Port (MT-RJ) 1000BASE-SX Gigabit Ethernet Line Card

LED	State	Description
DUPLEX	Green	The port is operating at full-duplex.

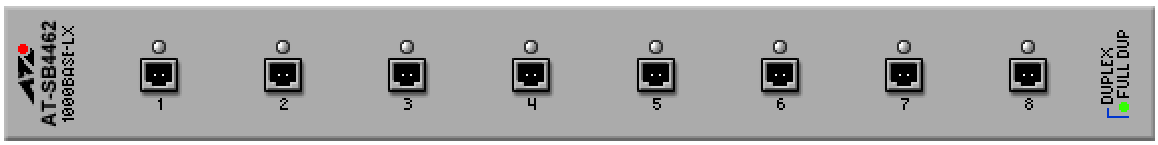
AT-SB4461



8-Port (SC) 1000BASE-LX Gigabit Ethernet Line Card

LED	State	Description
DUPLEX	Green	The port is operating at full-duplex.

AT-SB4462



8-Port (MT-RJ) 1000BASE-LX Gigabit Ethernet Line Card

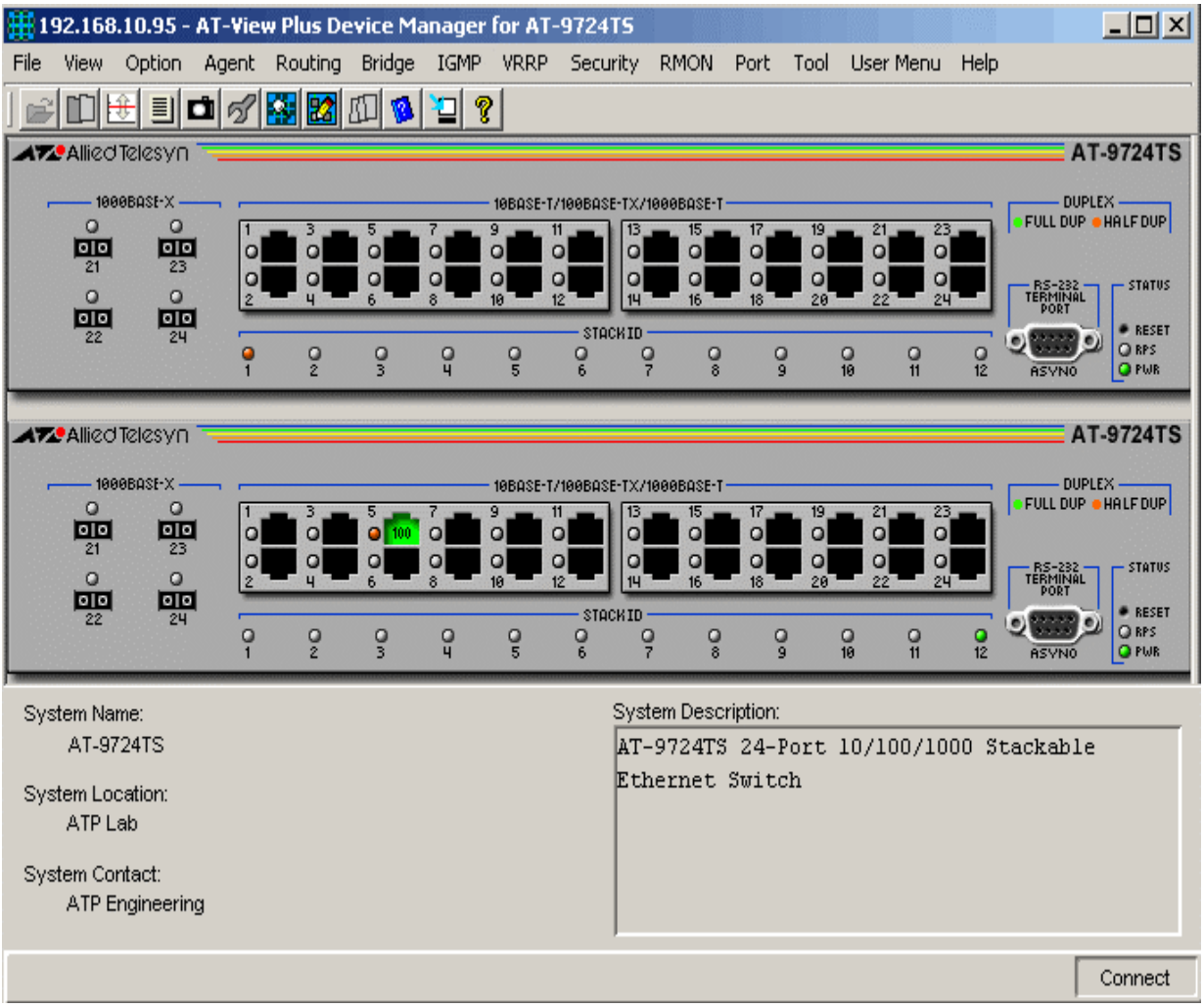
LED	State	Description
DUPLEX	Green	The port is operating at full-duplex.

AT-9700 Series

This section describes AT-View Plus Device Manager menus and operations specific to the AT-9700 Series of Advanced Layer 3 Gigabit Switches.

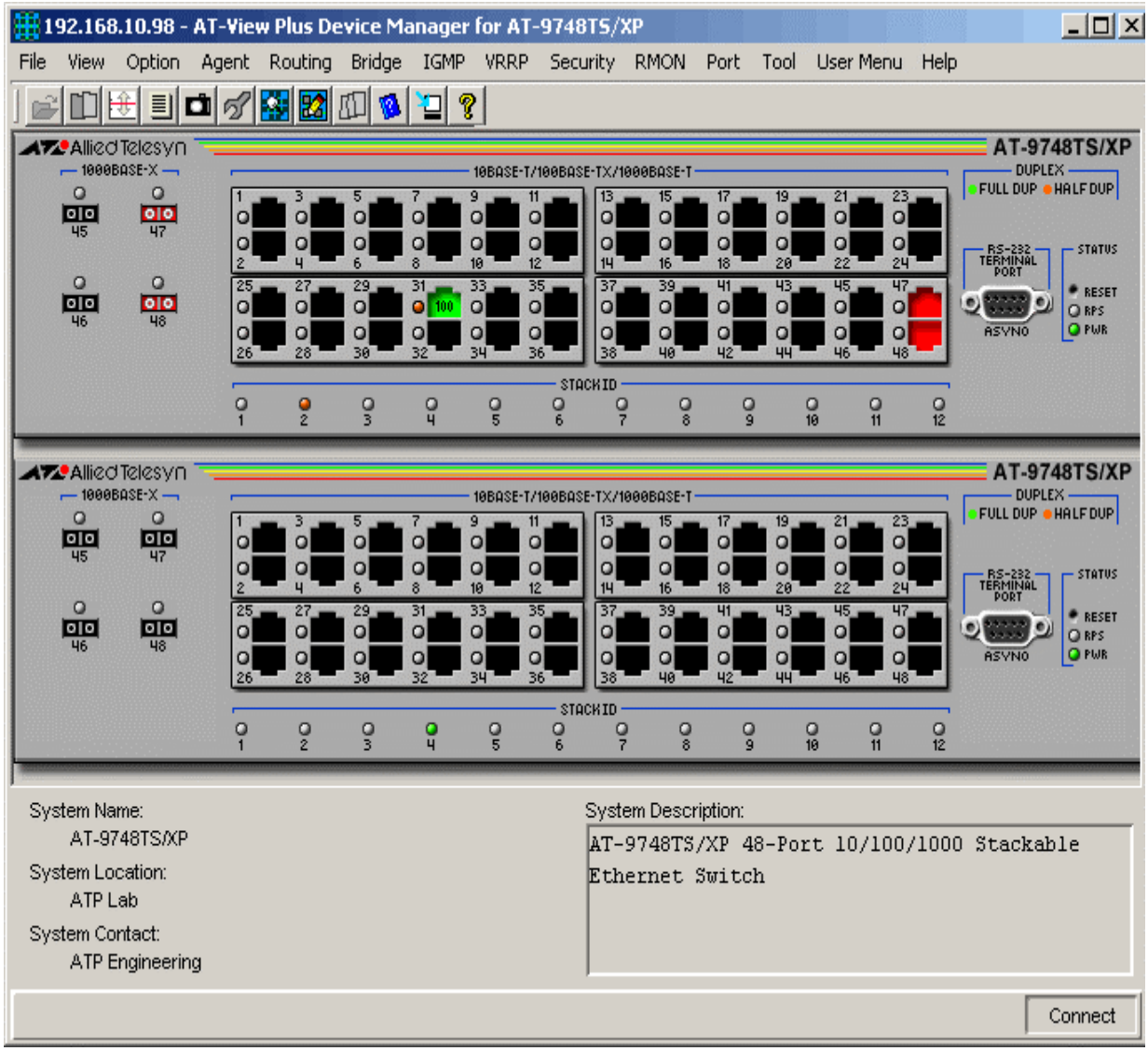
Topics:

Main Window



AT-9724TS

The AT-9724TS supports up to 12 stacked AT-9724TS switches.



AT-9748TS/XP

The AT-9748TS/XP supports up to 8 AT-9748TS/XP stacked switches or any of the following mixed stack combinations of AT-9748TS/XP and AT-9724TS switches.

AT-9748TS/XP	AT-9724TS
7	<=2
6	<=4
5	<=6
4	<=8
3	<=9
2	<=10
1	<=11

Device Manager LEDs for AT-9700 Series		
LED	**State**	**Description**
PWR	Green	The switch is receiving power from the main power supply.
RPS	Green Gray	The switch is receiving power from the redundant power supply. RPS is not installed or not functioning.
STACK ID	Green Orange	The stacked unit is either a slave switch or the switch is not in a stacked mode. The stacked unit is the master switch.
DUPLEX	Green Orange	The port is operating in full-duplex mode. The port is operating in half-duplex mode.

Note - The Stack ID LED indicates the Box ID of the stacked switch or standalone switch.

Note - The current firmware version does not allow AT-View Plus Device Manager to detect the presence or absence of an SFP module in any of the SFP slots. As a result, the SFP slots on the device image will always show SFP images regardless of whether or not SFP modules are physically present in the slots.

Note - Status information for ports 21 to 24 on the AT-9724TS and ports 45 to 48 on the AT-9748TS/XP will always be reflected on both the RJ-45 port images and the SFP port images regardless of whether it is the RJ-45 or the SFP ports that are actually in operation. However, if

AT-View Plus Device Manager detects that the established link speed is less than 1Gbps, only the RJ-45 port images will turn green.

Note - When multiple units of the AT-9700 series are stacked together, port numbering is continuous based on the Box ID.

- Box ID 1 - 1 to 64
- Box ID 2 - 65 to 128
- Box ID 3 - 129 to 192
- Box ID 4 - 193 to 256
- Box ID 5 - 257 to 320
- Box ID 6 - 321 to 384
- Box ID 7 - 385 to 448
- Box ID 8 - 449 to 512
- Box ID 9 - 513 to 576
- Box ID 10 - 577 to 640
- Box ID 11 - 641 to 704
- Box ID 12 - 705 to 768

This numbering scheme assumes that a unit can have a maximum of 64 ports.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

Device Info
Equipment Capacity
Displays the equipment capacity supported in the system.

Power Supply Info
Displays information about the power supply and redundant power supply .

Fan Info
Displays the fan status.

Unit Info
Displays information about the system's stacking mode, units supported in the system, total number of ports and number of ports in use.

Unit Management Info
Displays the management information for each unit in the system.

Note - The current firmware version does not allow the Control Mode parameter to be configured.

Management Info

General Info
Displays common management information.

General Config
Displays basic control of the system.

Note - The current firmware version does not allow the RS-232C Mode parameter to be configured.

Note - The current firmware version returns 'noSuchName' for the Asymmetric VLAN Status parameter.

MIB List
Displays the list of MIB capability entries supported by the system.

TFTP Services
Displays information about the files that has been downloaded and uploaded on the device.

Note - The current firmware version does not allow the following parameters to be configured:

- Description
- Transfer Type
- File Type
- Download CFG File
- Multi Image Control ID

Note - Valid MIB Set values for the Load Type parameter will depend on the Description parameter:

- boot file - download
- log file - upload
- config file - upload/download

IP Protocol Info
Displays information about the IP interfaces supported by the system.

Note - The Server Address parameter is not applicable to the AT-9700 Series and should be ignored.

Multiple Image List
Displays a list of information about multiple image management.

Alarm Config
Displays trap configurations status.

Date and Time
System Date and Time
Displays the current date and time configurations of the system.

Summer Date and Time
Displays the summer date and time configurations of the system.

Note - The current firmware version does not allow the following parameters to be configured:

- Repeating Start
- Repeating End
- Annual Start
- Annual End

SNTP
Displays the SNTP configuration of the system.

System Log Server Config
Displays basic information and configuration of the System Log Server.

Reset Cold
Performs a hardware reset.

Reset Warm
Performs a software reset.

Note - This function is currently not supported.

Telnet
Starts a Telnet connection to the switch.

WEB Browser
Connects to the switch's HTTP server.

Routing Menu

From the Routing menu, you can view and edit various routing protocols such as RIP, DVMRP, OSPF, PIM and IPM.

IP

Interface Info
Displays information about IP interfaces.

Note - The current firmware version does not allow the following parameters to be configured:

- Interface Name
- IP Subnet Mask
- VLAN Name
- Operation Mode
- Secondary IP

Note - Valid MIB Set values for the Row Status parameter are 'active' and 'not in service'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value".

Forwarding Database
Displays IP Forwarding Database.

Arp Aging Time
Displays the timeout period in minutes for aging out dynamically learned arp information.

Static Route Table
Displays the IP static routing table.

Note - The current firmware version does not allow the Next Hop Address, Destination Metric and Entry Status parameters to be configured.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

UDP

Listener Info
Displays information about UDP listener.

UDP Statistics
Displays the UDP Statistics.

TCP

Connection Info
Displays information about TCP connection.

Note - The current firmware version does not allow the Connection Status parameter to be configured.

TCP Statistics
Displays the TCP Statistics.

CIDR

Route Number
Displays the number of valid CIDR entries.

Route Table
Displays the CIDR routing tables.

Note - The current firmware version does not allow the following parameters to be configured:

- Next Hop AS Number
- Destination Metric 2
- Destination Metric 3
- Destination Metric 4

ICMP Statistics
Displays the ICMP Statistics.

Route Preferences
Displays configurations of routing preferences.

Route Redistribution
Displays the route redistribution table of various protocols.

RIP

Basic Info
Displays basic information about Routing Information Protocol.

Interface Info
Displays the list of subnets which require separate status monitoring in Routing Information Protocol.

Note - The current firmware version does not allow the Row Status parameter to be configured.

Interface Config
Displays the list of subnets which require separate configuration in Routing Information Protocol.

Note - The current firmware version does not allow the Domain and Default Metric parameters to be configured.

Note - Valid MIB Set values for the Row Status parameter are 'active' and 'not in service'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value".

Active Peer Info
Displays information about active peer relationships.

Note - The Active Peer Info sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

OSPF

Basic Info
Displays basic information about Open Shortest Path First routing protocol.

Note - The current firmware version does not allow the following parameters to be configured:

- AS Border Router Status
- Type of Service Support Status
- Ext Link State DB Limit
- Demand Extensions

Area Info
Displays the configured parameters and cumulative statistics of the device's attached areas.

Note - The current firmware version does not allow the Authentication Type parameter to be configured.

Stub Area Config
Displays the set of metrics that will be advertised by a default Area Border Router into a stub area.

Note - The current firmware version does not allow the Row Status and Metric Type parameters to be configured.

Link State Ads
Displays the OSPF Process's Link State Database.

Note - The Link State Ads sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Address Range Info
Displays the range of IP addresses specified by an IP address/IP network mask pair.

Note - The Address Range Info sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Host Info
Displays the list of hosts, and their metrics, that the device will advertise as host routes.

Interface Info
Displays the interfaces from the viewpoint of OSPF.

Note - The current firmware version does not allow the following parameters to be configured:

- Interface Info
- Transit Delay
- Retransmission Interval
- Row Status
- Multicast Forwarding
- Interface Demand

Interface Metric
Displays the Type of Service metrics for a non-virtual interface.

Note - The current firmware version does not allow the Row Status parameter to be configured.

Virtual Interface Info
Displays information about this device's virtual interfaces.

Neighbor Info
Displays the non-virtual neighbor information.

Note - The Neighbor Info sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Virtual Neighbor Info
Displays the virtual neighbor information.

Note - The Virtual Neighbor Info sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

External Link State Ads
Displays the OSPF Process's Link State Database containing only the External Link State Advertisements.

Note - The External Link State Ads sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Area Aggregate Info
Displays the range of IP addresses specified by an IP address/IP network mask pair .

DVMRP

Basic Info
Displays basic information about Distance Vector Multicast Routing Protocol.

Interface Info
Displays the list of device's multicast capable interfaces.

Note - The following parameters are not applicable to the AT-9700 Series and should be ignored:

- Remote Address
- Remote Subnet Mask
- Generation ID
- Received Packets
- Transmitted Packets
- Received Octets
- Transmitted Octets

Note - The current firmware version returns 'noSuchName' for the Transmitted Routes, Master Key and Master Key Version parameters.

Note - The current firmware version does not allow the Local Address parameter to be configured.

Neighbor Info
Displays the list of device's DVMRP neighbors, as discovered by receiving DVMRP messages.

Note - The Neighbor Info sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Route Table
Displays the table of routes learned through DVMRP route exchange.

Next Hop Table
Displays the table containing information on the next hops on outgoing interfaces for routing IP multicast datagrams.

Note - The Next Hop Table sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

PIM

Join/Prune Interval
Displays the default interval at which periodic PIM-SM Join/Prune messages are to be sent.

Interface Info
Displays the list of device's Protocol Independent Multicast interfaces.

Neighbor Info
Displays the list of device's PIM neighbors.

Note - The Neighbor Info sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Route Table
Displays the table of routes learned through PIM route exchange.

Note - The Route Table sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Next Hop Table
Displays the table containing information on the next hops on outgoing interfaces for routing IP multicast datagrams.

Note - The Next Hop Table sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Rendezvous Points
Displays the list of PIM information for candidate Rendezvous Points for IP multicast groups.

Note - The Rendezvous Points sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Candidate - RP
Displays the list of IP multicast groups for which the local router is to advertise itself as a Candidate-RP.

Note - The Candidate - RP sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Component
Displays the list of objects specific to a PIM.

Note - The Component sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

IPM

Basic Info
Displays basic information about IP Multicast Routing Protocol.

Interface Info
Displays the list of multicast routing information specific to interfaces.

Note - The current firmware version returns 'noSuchName' for the following parameters:

- Rate Limit
- Received Multicast Octets
- Transmitted Multicast Octets
- Received Multicast Octets (HC)
- Transmitted Multicast Octets (HC).

Note - The current firmware version does not allow the Datagram TTL Threshold parameter to be configured.

Scope Name Info
Displays the list of multicast scope names.

Note - The Scope Name Info sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Scope Boundary Info
Displays the list of device's scoped multicast address boundaries.

Note - The Scope Boundary Info sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Route Table
Displays the table containing multicast routing information for IP datagrams sent by particular sources to the IP multicast groups known to this device.

Note - The Route Table sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Next Hop Table
Displays the table containing information on the next hops on outgoing interfaces for routing IP multicast datagrams.

Note - The Next Hop Table sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

BOOTP Relay
Basic Info
Displays basic information about BOOTP relay function.

Interface Info
Displays information about specific IP address as a destination to forward BOOTP packets to.

DNS Relay
Basic Info
Displays basic information about DNS relay function.

Interface Info
Displays the current DNS relay static.

MD5 Key Config
Displays the current MD5 key table.

Note - The current firmware version does not allow the MD5 Key parameter to be configured.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database, discard/aging time information, spanning tree status and 802.1p.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
STP Global Settings
Displays spanning tree parameters such as status and version.

MSTP Instance Info
Displays information about the Multiple Spanning Tree Protocol instance.

Note - The current firmware version does not allow the following parameters to be configured:

- VLAN Range List 1 - 64
- VLAN Range List 65 - 128
- VLAN Range List 129 - 192
- VLAN Range List 193 - 256
- VLAN Range List 257 - 320
- VLAN Range List 321 - 384
- VLAN Range List 385 - 448
- VLAN Range List 449 - 512
- Row Status

Statistics

Displays statistics about frames received/transmitted on the switch port.

High Capacity Ports

Displays statistics about frames received/transmitted on high capacity ports.

Note - The current firmware version returns 'noSuchName' for the Received Frames, Transmitted Frames and Discarded Frames parameters.

Overflow Counters

Displays statistics for high capacity interface of a transparent bridge.

802.1p

Config

Displays information on 802.1p such as Device Capabilities, GMRP Status and if Traffic classes are enabled.

Note - The current firmware version returns 'noSuchName' for the GMRP Status parameter.

Port Capabilities

Displays each port capabilities that is associated with this bridge.

GMRP

Displays the list of GARP Multicast Registration Protocol control and status information about every bridge port.

Note - The current firmware version returns 'noSuchName' for the GMRP Status, Failed Registrations and Last PDU Origin parameters.

GARP

Displays Generic Attribute Registration Protocol control for a bridge port.

Note - The current firmware version does not allow the Join Time, Leave Time and Leave All Time to be configured.

IGMP Menu

From the IGMP menu, you can view and edit IGMP information such as IGMP queries and reports sent between devices, VLAN's IGMP functions and interfaces on which IGMP is enabled.

IGMP Config
Displays configurations of the Internet Group Management Protocol function.

VLAN Info
Displays VLAN parameters such as the maximum supported VLANs and maximum group number per VLAN.

Interface Info
Displays the list of interfaces on which IGMP is enabled.

Note - The current firmware version returns 'noSuchName" for the Querier Up Time and Version 1 Querier Timer parameters.

Note - Valid MIB Set values for the Row Status parameter are 'active' and 'not in service'. Attempting to set this parameter to any other value will result in the error message: "The error occurred with 'Set' operation. Error: bad value".

Note - The current firmware version does not allow the Proxy Interface Index parameter to be configured.

Cache Info
Displays the list of IP multicast groups for which there are members on a particular interface.

Note - The current firmware version does not allow the Self and Row Status parameters to be configured.

Query Info
Displays IGMP parameters such as the current IGMP query packets which is captured by this device, as well as the IGMP query packets sent by the device.

Group Info
Displays current information which is captured by the device provided that IGMP Snooping and IGMP Status of associated VLAN entry are all enabled.

Note - The Group Info sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

VRRP Menu

From the VRRP menu, you can view and edit VRRP-related information such as the current VRRP version, VRRP status, VRRP statistics and IP addresses associated with VRRP.

Basic Info

Displays basic information such as the particular version of the Virtual Routing Redundancy Protocol supported by the device and the whether the VRRP-enabled router will generate SNMP traps.

Note - The current firmware version returns 'noSuchName' for the Trap Packet IP Address and Trap Authentication Error Type parameters.

Operations

Displays the table containing statistics information about a given virtual router.

Associated IP Addresses

Displays the table of addresses associated with this virtual router.

Statistics

Diplays the total number of VRRP packets received with an invalid VRRP checksum value, with an unknown or unsupported version number and with an invalid VRID for this virtual router.

Security Menu

From the Security menu, you can view and edit different security and authentication protocols SSL, SSH, AAC, ACL, port-based and MAC-based authentication.

Authentication Info

Diplays authetication information such as the administrative status of autheticating the system, authentication protocol used to authenticate user, authentication mode of the device and the .

Port-based Authentication

PAE Port Info

Displays the system level information for each port supported by the Port Access Entity.

Note - The current firmware version returns 'noSuchName' for the Port Number parameter.

Authenticator PAE Info

Displays configuration objects for the Authenticator PAE associated with each port.

Note - The current firmware version returns 'noSuchName' for the Port Number parameter.

Authenticator PAE Statistics
Displays statistics objects for the Authenticator PAE associated with each Port.

Note - The current firmware version returns 'noSuchName' for the Port Number parameter.

Authenticator PAE Diagnostics
Displays diagnostics objects for the Authenticator PAE associated with each Port.

Note - The current firmware version returns 'noSuchName' for the Port Number parameter.

Authenticator PAE Session Statistics
Displays session statistics objects for the Authenticator PAE associated with each Port.

Note - The current firmware version returns 'noSuchName' for the Port Number, Received Octets and Transmitted Octets parameters.

Supplicant PAE Info
Displays configuration objects for the Supplicant PAE associated with each port.

Note - The current firmware version returns 'noSuchName' for all parameters under this sub-menu option.

Supplicant PAE Statistics
Displays statistics objects for the Supplicant PAE associated with each port.

Note - The current firmware version returns 'noSuchName' for all parameters under this sub-menu option.

MAC-based Authentication

Authenticator PAE Info
Displays status objects for the Authenticator PAE associated with each virtual port (MAC).

Note - The Authenticator PAE Info sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Authenticator PAE Statistics
Displays statistics objects for the Authenticator PAE associated with each MAC address.

Note - The Authenticator PAE Statistics sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Authenticator PAE Diagnostics
Displays diagnostics objects for the Authenticator PAE associated with each MAC address.

Note - The Authenticator PAE Diagnostics sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

Authenticator PAE Session Statistics
Displays session statistics objects for the Authenticator PAE associated with each MAC address.

Note - The Authenticator PAE Session Statistics sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

RADIUS

RADIUS Server Info
Displays the IP address, UDP port number for authentication and accounting request, and current status of the RADIUS server.

Authentication Client Info
Displays the number of RADIUS Access-Response packets received from unknown addresses and the identifier of the RADIUS authentication client.

Authentication Server Info
Displays the list of RADIUS authentication servers with which the client shares a secret.

Accounting Client Info
Displays the number of RADIUS Access-Response packets received from unknown addresses and the identifier of the RADIUS accounting client.

Accounting Server Info
Displays the list of RADIUS accounting servers with which the client shares a secret.

Secure Shell

SSH Config
Displays basic information and control for Secure Shell management.

Encryption Algorithm
Displays the status of various encryption algorithm such as TDES, Blowfish, AES128, AES192, AES256, Arcfour, CAST128, Twofish128, Twofish192, and Twofish256.

Authentication Mode
Diplays the status of various authentication method such as password authentication, Public Key authentication, and Host Key authentication.

Data Integrity Algorithm
Displays the status of HMAC-SHA1 and HMAC-MD5 data integrity algorithm.

Public Key Algorithm
Displays the status and RSA and DSA public key algorithm.

Secure Socket Layer

SSL Config

Displays the status of SSL support and cipher suites, and the cache timeout value for SSL module to refresh the session resume data kept in database.

Note - The current firmware version does not allow the Cipher Suites parameter to be configured.

Certificate File

Displays the parameters used on downloading certificate or key file.

Access Authentication Control

Basic Info

Displays the maximum number of Login method list, Enable method list, Server Group and AAC server supported by the system.

Login Method Lists

Displays information about Login authentication method lists.

Enable Method Lists

Displays information about Enable authentication method lists.

Application Authentication Settings

Displays various applications that can be used to execute authentication such as console, telnet, HTTP and SSH.

Server Group Info

Displays information about server group.

Server Info

Displays information about servers.

Access Control List

Ethernet Info

Displays ACL mask of Ethernet information.

Note - The current firmware version does not allow the following parameters to be configured:

- Filtered Ports
- Source MAC Address Mask
- Destination MAC Address Mask

Ethernet Rule

Displays ACL rule of Ethernet information.

Note - The current firmware version does not allow the following parameters to be configured:

- Source MAC Address Mask
- Destination MAC Address Mask
- Ethernet Type

IP Info
Displays ACL mask of IP information.

Note - The current firmware version does not allow the following parameters to be configured:

- Filtered Ports
- TCP/UDP Source Port Mask
- TCP/UDP Destination Port Mask
- Protocol ID Option
- Protocol ID Mask

IP Rule
Displays ACL rule of IP information.

Note - The current firmware version does not allow the following parameters to be configured:

- Type
- Code
- Destination Port
- Protocol ID
- User Mask

Packet Content Info
Displays ACL mask of user-defined information.

Note - The current firmware version does not allow the following parameters to be configured:

- Offset 0 to 15
- Offset 16 to 31
- Offset 32 to 47
- Offset 48 to 63
- Offset 64 to 79

Packet Content Rule
Displays ACL rule of user-defined information.

Note - The current firmware version does not allow the following parameters to be configured:

- Offset 0 to 15
- Offset 16 to 31
- Offset 32 to 47
- Offset 48 to 63
- Offset 64 to 79

RMON Menu

From the RMON menu you can view and edit the RMON MIB.

Statistics
Displays traffic statistics in the network segment attached to each port.

History Control Table
Displays the RMON History table.

Alarm Table
Displays the RMON Alarm table.

Event Table
Displays the RMON Event table.

Event Log
Displays the RMON Event log.

Probe
Probe Config
Displays RMON probe information.

Note - The current firmware version returns 'noSuchName' for the Date and Time parameter.

Network Interface Config
Displays configuration parameters for a particular network interface on this device.

Note - Valid MIB Set values for the Row Status parameter are 'active' and 'not in service'. Attempting to set this parameter to any other value will result in error message: "The error occurred with 'Set' operation. Error: bad value".

Port Menu

From the Port menu, you can view and edit MIB information about selected ports.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Note - The current firmware version returns '??? (117)' for the Port Type parameter.

Error Statistics
Displays error statistics for the port.

Detail Info
Port Info
Displays detailed port information such as port type, port link state and port speed and duplex status.

Port Config
Displays configuration parameters for a particular port such as administration status and port speed and mode.

Note - The current firmware version does not allow the Port Speed and Mode parameter to be set to 'other'.

Spanning Tree Info
STP
Displays information maintained by every port about the Spanning Tree Protocol.

Note - The current firmware version does not allow the Administrative Hello Time and Migration parameters to be configured.

MSTP
Displays information maintained by every port about the Multiple Spanning Tree Protocol.

Enable
Enables the port.

Disable
Disables the port.

Port Security
Config
Displays port security configuration parameters for every port present in the switch.

Deletion
Displays configuration parameters to allow port security deletion.

Note - The current firmware version does not allow the MAC Address and Port Security Deletion Activity parameters to be configured.

Traffic Management
Config
Displays traffic control configuration parameters for every port present in the switch.

Segmentation
Displays the information that specifies the port with its traffic forward list.

Note - The current firmware version does not allow the Forward Ports parameter to be configured.

Port Mirroring
Displays port mirroring parameters and allows configuration of port mirroring status, destination port, Ingress source port and Egress source port.

Note - The current firmware version does not allow the Mirroring Source Port (Ingress) and Mirroring Source Port (Egress) parameters to be configured.

QoS
Basic Config
Displays QoS parameters and allows enabling of Hol prevention status and setting scheduling mechanism.

Scheduling Mechanism
Displays scheduling mechanism parameters.

802.1p Default Priority
Displays the 802.1p default priority table..

802.1p User Priority
Displays the 802.1p user priority class table.

User Priority Regeneration
Displays the regenerated user priorities table.

Traffic Class
Displays the traffic class table.

Outbound Access Priority
Displays the outbound access priority table.

Bandwidth Control
Displays the bandwidth control table.

Port Trunking

Basic Info
Displays basic information about port trunking.

Trunk Config
Displays port trunking parameteres and allows configuration of the master port, member ports, trunk type and trunk status.

Note - The current firmware version does not allow the Member Ports and Trunk Type parameters to be configured.

Aggregator Info
Displays information about every Aggregator that is associated with this system.

Note - The current firmware version returns 'noSuchName' for the Aggregate Index parameter.

Note - The current firmware version does not allow the Actor System Priority and Collector Maximum Delay parameters to be configured.

Aggregator Port List
Displays the Link Aggregation Control information about every Aggregation Port associated with this device.

Note - The current firmware version returns 'noSuchName' for the Port Index parameter.

Note - The current firmware version does not allow the following parameters to be configured:

- Actor System Priority
- Partner Administrative System ID
- Actor Port Priority
- Partner Administrative Port
- Partner Administrative Port Priority

Note - Setting the Actor Administrative Status parameter and the Partner Administrative Status parameter to 'lacpActivity' or 'lacpTimeout' will result in the same hex value of '6C'. On the other hand, setting them to 'distributing' or 'defaulted' will result in the same hex value of '64'.

LACP Statistics
Displays the Link Aggregation information about every port that is associated with this device.

Note - The current firmware version returns 'noSuchName' for all parameters under this sub-menu option.

LACP Debug
Displays ink Aggregation debug information about every port that is associated with this device.

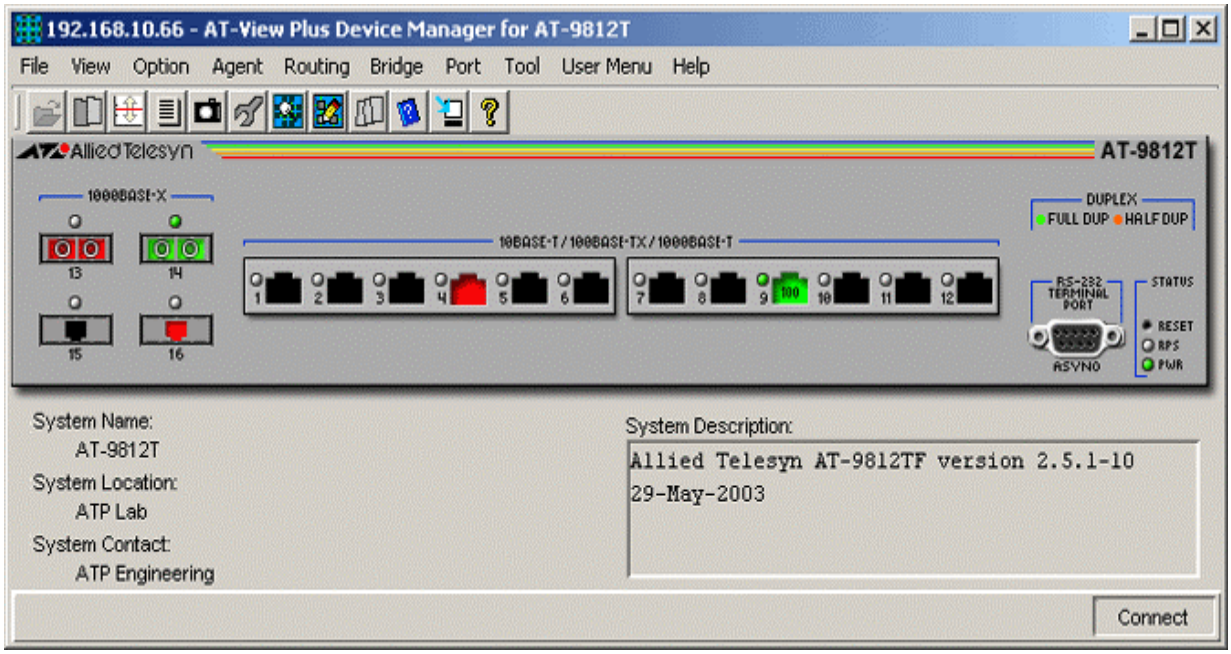
Note - The current firmware version returns 'noSuchName' for all parameters under this sub-menu option.

AT-9800 Series

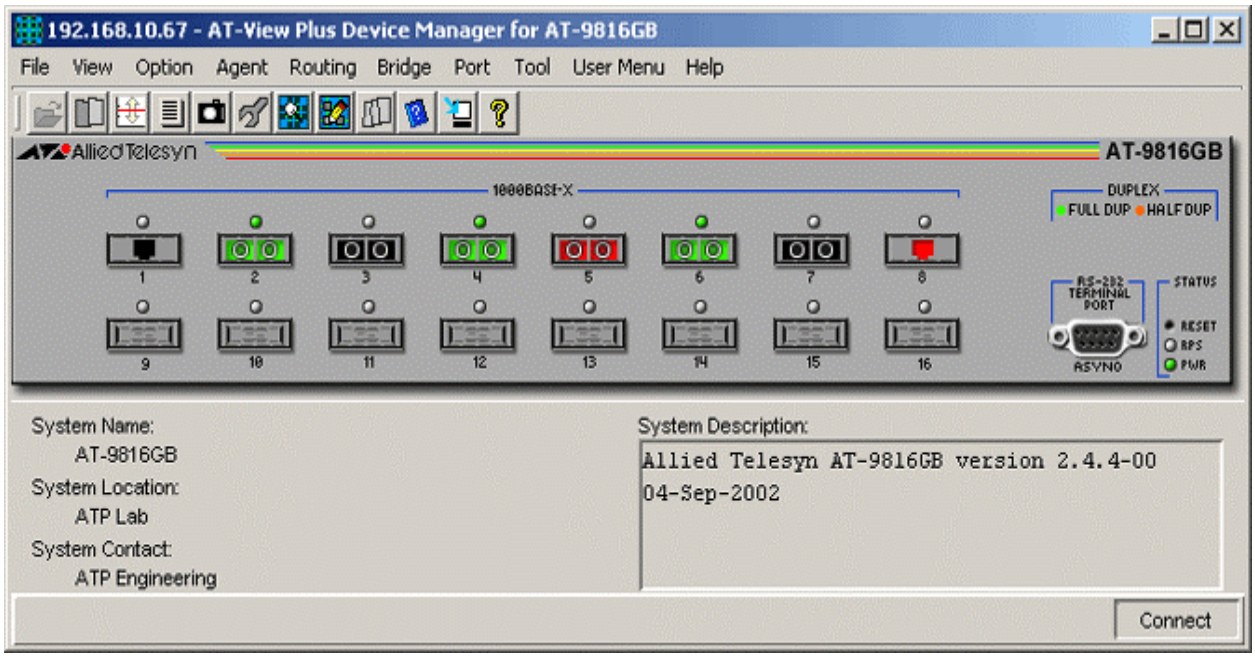
This section describes AT-View Plus Device Manager menus and operations specific to the AT-9800 Series of Multi-Layer Gigabit Switches.

Topics:

Main Window



AT-9812T



AT-9816GB

Device Manager LEDs for AT-9800 Series		
LED	**State**	**Description**
PWR	Green	The switch is receiving power from the main power supply.
	Red	Main power supply is either off or has failed.
RPS	Green	The switch is receiving power from the redundant power supply.
	Red	RPS has failed.
	Gray	RPS is not installed or RPS monitoring is disabled.
DUPLEX	Green	The port is operating at full duplex.
	Orange	The port is operating at half duplex.

Note - AT-9812T, AT-9812TF and AT-9812T-DC share the same device image.

Note - AT-9816GB, AT-9816GF and AT-9816GB-DC share the same device image.

Note - To turn RPS monitoring on or off on the switch, from the switch command line interface enter the command SET SYSTEM RPSMONITOR={ON|OFF}. To see whether RPS monitoring is on, use the command SHOW SYSTEM. To turn on RPS monitoring using SNMP, set the fanAndPsRpsMonitoringStatus variable to on.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the RPS LED on the DC models.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

Power Supply Info
Displays information about the power supply, redundant power supply and power supply monitoring.

Firmware Info
Displays a list of software releases installed on the switch.

File List
Displays a list of the files in the switch's file system.

Config File Name
Displays the file name of the start-up configuration file.

Chassis Temperature Info
Displays the actual temperature of the switch and the temperature status.

Telnet
Starts a Telnet connection to the switch.

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Reset Cold
Resets the hardware and executes the default configuration file.

Reset Warm
Performs a warm start of the software modules and executes the default configuration file.

Routing Menu

From the Routing menu, you can view and edit information about the switch's IP routing functions.

ARP Table
Displays the mapping of IP addresses to MAC addresses (the ARP cache), on the switch.

Address Table
Displays the list of IP interfaces and their IP addresses on the switch.

Route Table
Displays the IP routing table on the switch.

IP Statistics
Displays statistics about IP routing, including the number of IP datagrams received.

ICMP Statistics
Displays statistics about ICMP, including the number of ICMP datagrams received.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded because either there was a lack of memory or the entry's aging timer expired.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics.

Spanning Tree Info
Displays the port's spanning tree parameters.

MAU Info
Displays interface-related MAU information for the port.

MAU Negotiation Info
Displays the MAU's auto-negotiation settings and its status.

Enable
Enables the port.

Disable
Disables the port.

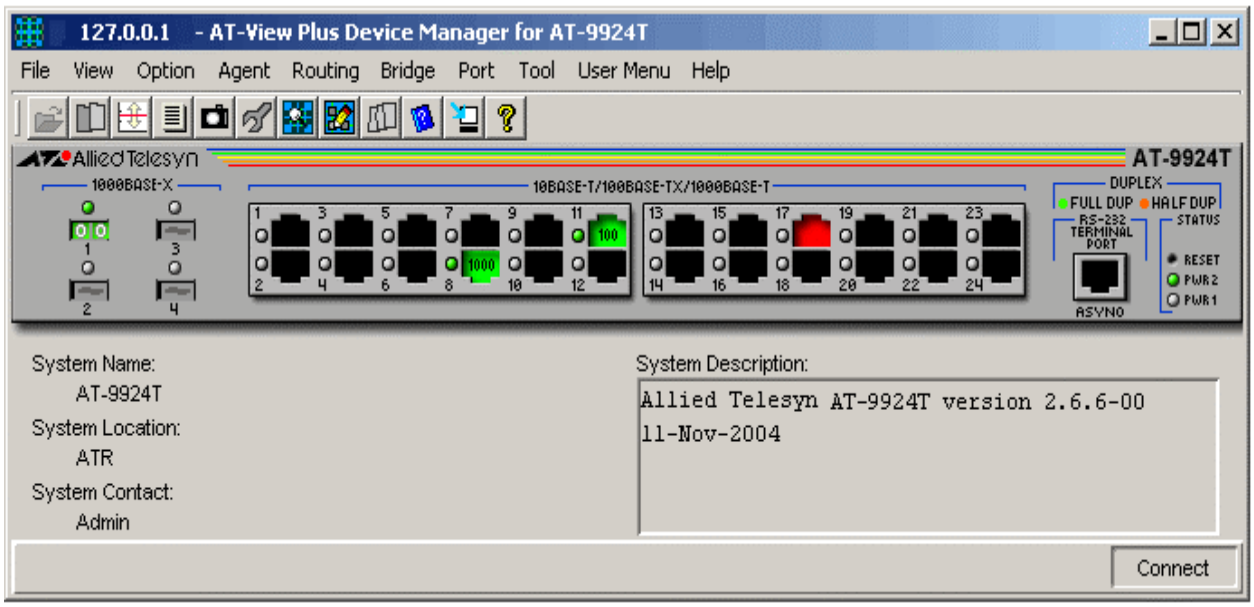
AT-9800 Series

AT-9924T, AT-9924SP, AT-9924T/4SP

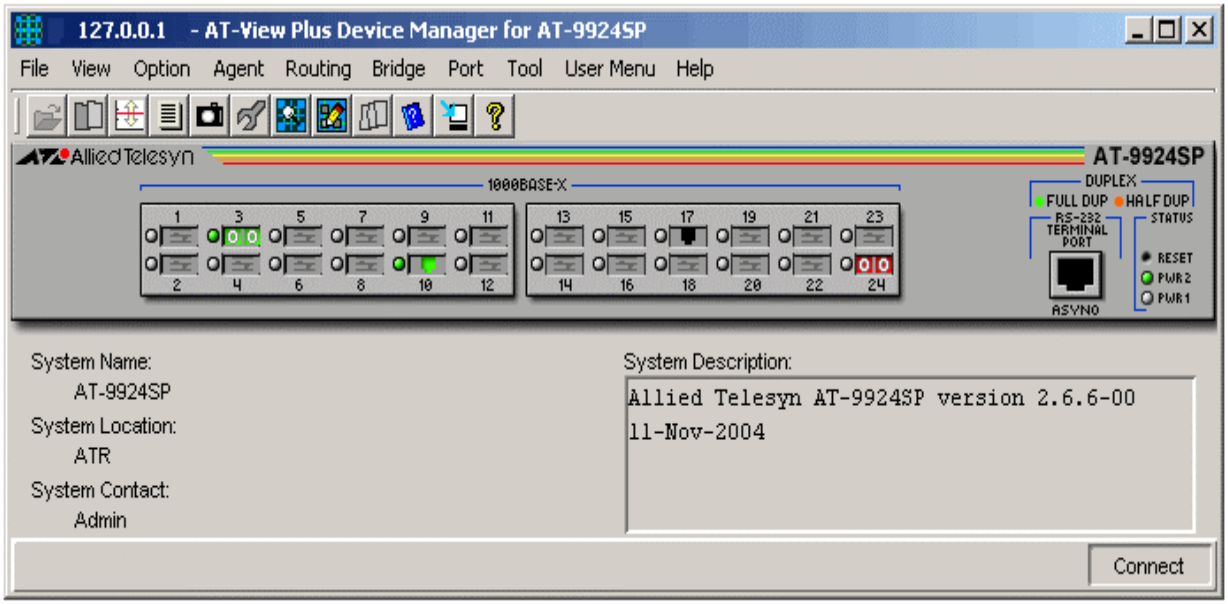
This section describes AT-View Plus Device Manager menus and operations specific to the AT-9924T, AT-9924SP and AT-9924T/4SP Advanced Layer 3+ Gigabit Switches.

Topics:

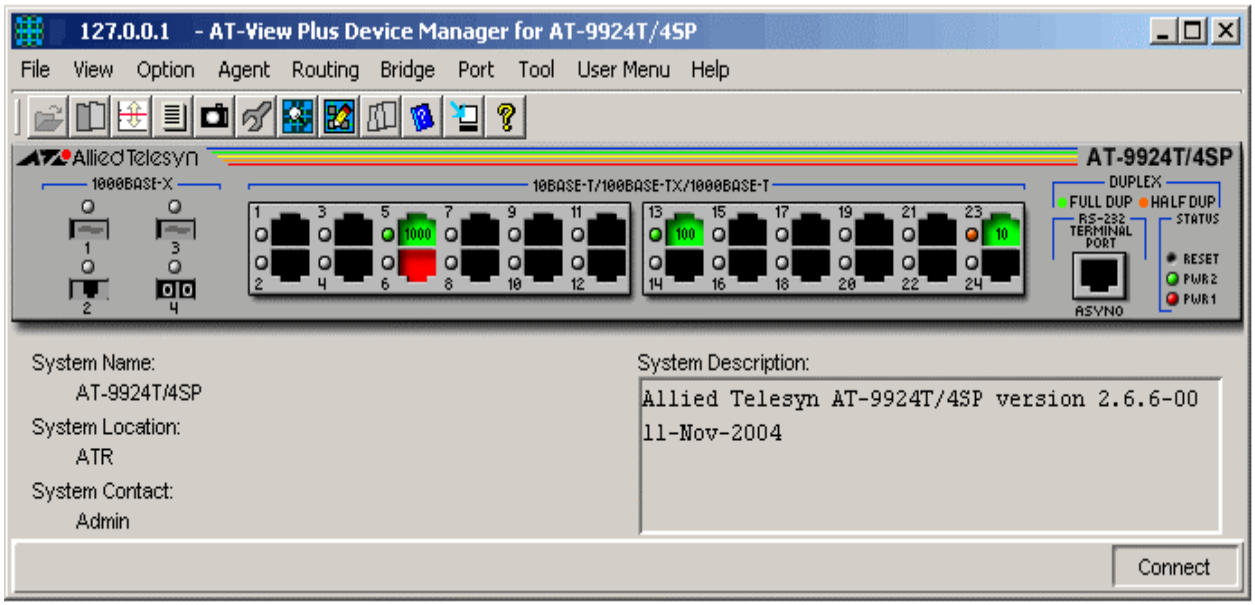
Main Window



AT-9924T



AT-9924SP



AT-9924T/4SP

Device Manager LEDs for AT-9924T, AT-9924SP, AT-9924T/4SP		
LED	**State**	**Description**
PWR 1 and PWR 2	Green Gray Red	There is a power supply unit (PSU) in the PSU bay, and it is supplying power to the switch. There is a functioning Fan Only Module (FOM) in the PSU bay. Either: - there is no PSU or FOM in the PSU bay, or - a PSU is installed but has a power supply or fan fault, or its temperature has exceeded its recommended threshold, or - an FOM is installed and a fan has failed. ***Note*** - No FOM is OK for AT-9924T and AT-9924SP.
Duplex	Green Orange Gray	The port is operating at full duplex. The port is operating at half duplex. The port has no link.

Agent Menu

From the Agent menu, you can view and edit the system information for the switch, or log into the CLI using Telnet.

System Info
: Displays basic system information, including system name, location, contact and description.

Firmware Info
: Displays a list of software releases installed on the switch.

Power Supply Info
: Displays information about the power supply.

File List
: Displays a list of the files in the switch's file system.

Config File Name
: Displays the file name of the start-up configuration file.

Chassis Temperature and Fan Info
Displays the actual temperature of the switch, the temperature status, and the fan status.

Reset
Reset Cold resets the hardware and executes the default configuration file. Reset Warm performs a warm start of the software modules and executes the default configuration file.

Telnet
Starts a Telnet connection to the switch.

WEB browser
Opens your web browser and connects to the switch's HTTP server.

Note - The web browser can only contact the device if the device has a valid resource file loaded and set, and the HTTP server and GUI on the device are enabled.

Routing Menu

From the Routing menu, you can view and edit information about the switch's IP routing functions.

ARP Table
Displays the ARP cache on the switch.

Address Table
Displays the list of IP interfaces on the switch.

Route Table
Displays the IP routing table on the switch.

IP Statistics
Displays statistics about IP, such as the number of IP datagrams received.

ICMP Statistics
Displays statistics about ICMP, such as the number of ICMP datagrams received.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as the forwarding database and the spanning tree status.

Forwarding Database
Displays the Forwarding Database table.

Discard/Aging Time Info
Displays information about the number of address entries that were learned but discarded for reasons such as lack of memory or the entry's aging timer.

Spanning Tree Info
Displays spanning tree parameters such as priority and cost.

Statistics
Displays statistics about frames received/transmitted on the switch port.

Port Menu

From the Port menu, you can view and edit MIB information about the port.

Utilization
Displays the port's utilization information.

Interface Info
Displays port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port, and port status.

Error Statistics
Displays error statistics.

Spanning Tree Info
Displays the port's spanning tree parameters.

MAU Info
Displays interface-related MAU information for the port.

MAU Negotiation Info
Displays the MAU's auto-negotiation settings and its status.

Enable
Enables the port.

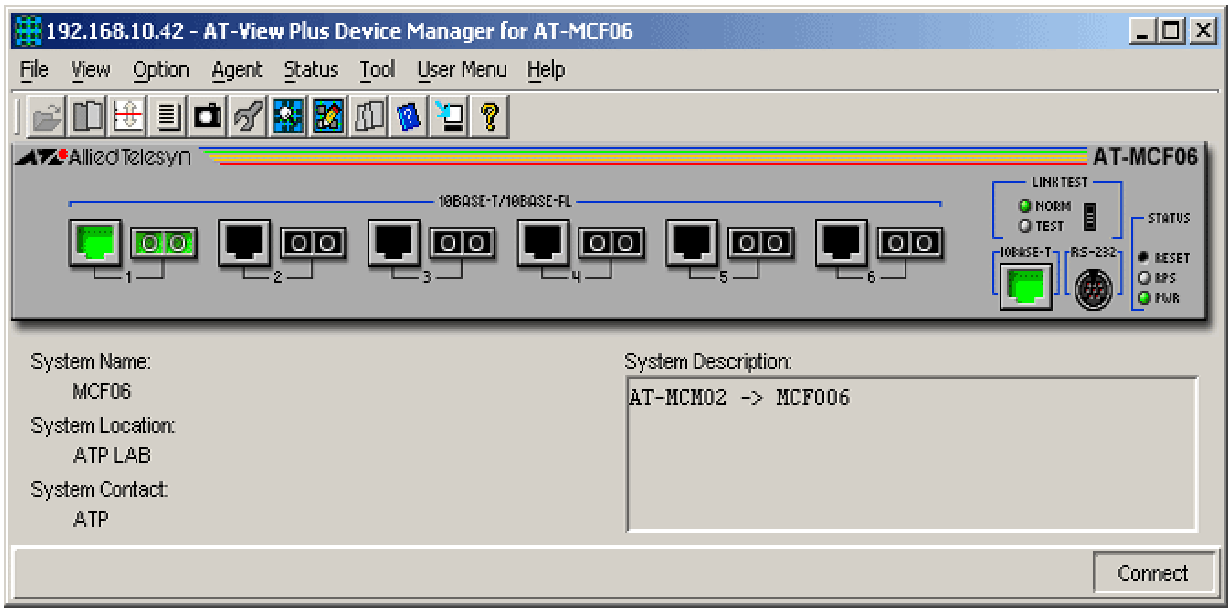
Disable
Disables the port.

AT-MCF06 Family

This section describes AT-View Plus Device Manager menus and operations specific to the AT-MCF06 family of media converters.

Topics:

Main Window



AT-MCF06 Family

Device Manager LEDs for AT-MCF06 Family		
LED	**State**	**Description**
PWR	Green	The main power supply is installed and power is on.
	Gray	The main power supply is not installed or it is installed but not powered on.
RPS	Green	The backup power supply is installed and power is on.
	Gray	The backup power supply is not installed or it is installed but not powered on.
NORM	Green	The unit is not performing a link test.
	Gray	The unit is performing a link test.
TEST	Green	The unit is performing a link test.
	Gray	The unit is not performing a link test.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Agent Menu

From the Agent Menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - AT-View Plus Device Manager allows the user to enter more than the 50-character limit for the System Contact, System Name, and System Location parameters. However, doing so may result in any of the following :

- Anywhere from 1 to 12 characters may be truncated from the entered value.
- The firmware password may be overwritten if 255 characters are entered for the System Location parameter. Once this happens, a firmware reload will be required.
- The last 50 characters of the entered value may go into the System Contact parameter if 255 characters are entered for the System Name parameter.

.

Note - AT-View Plus Device Manager allows the user to enter multiple-word values for the System Contact, System Name, and System Location parameters. NULL values are not allowed.

Management Interface Info
: Displays basic interface information for the management port including description, type, physical address, speed and operation status.

Temperature Info
: Displays the temperature of the device in celsius.

Power Info
: Displays the status of the main and backup power supplies.

Link Test Channel 1 to 6
: Displays link test mode on channels 1 to 6.

Telnet
: Starts a Telnet connection to the media converter.

Status Menu

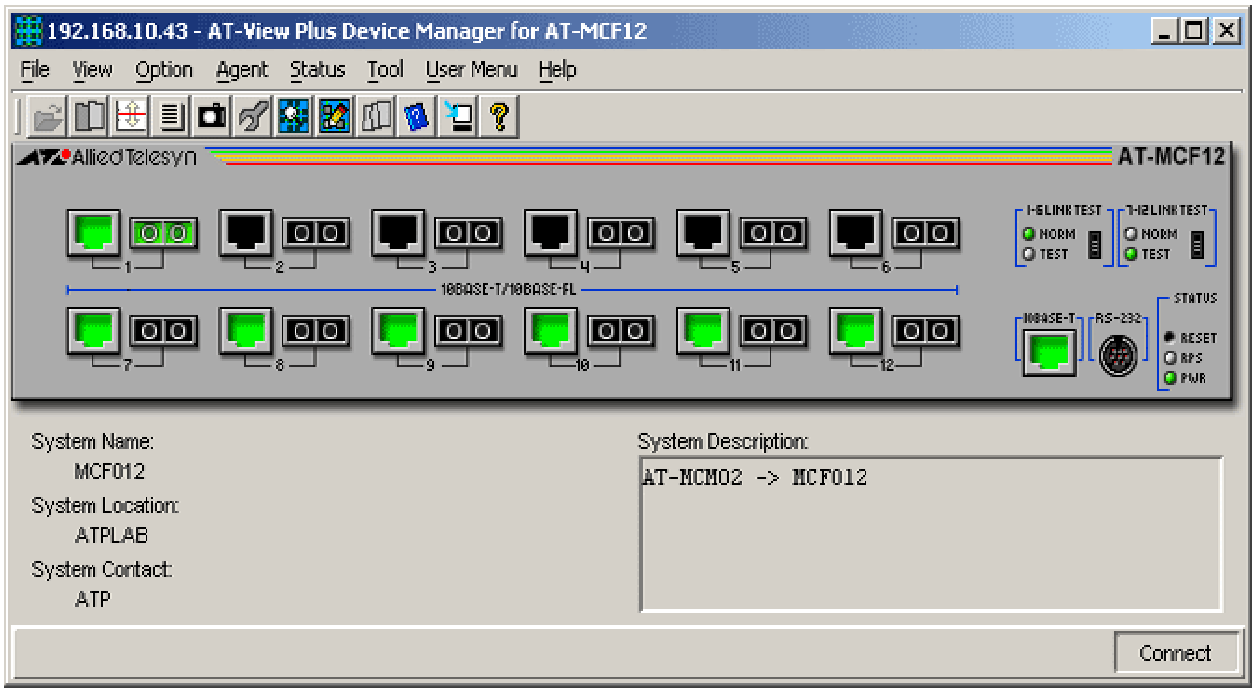
From the Status Menu, you can view all channels or per channel information.

AT-MCF12 Family

This section describes AT-View Plus Device Manager menus and operations specific to the AT-MCF12 family of media converters.

Topics:

Main Window



AT-MCF12 Family

Device Manager LEDs for AT-MCF12 Family		
LED	**State**	**Description**
PWR	Green Gray	The main power supply is installed and power is on. The main power supply is not installed or it is installed but not powered on.
RPS	Green Gray	The backup power supply is installed and power is on. The backup power supply is not installed or it is installed but not powered on.
NORM	Green Gray	The unit is not performing a link test. The unit is performing a link test.
TEST	Green Gray	The unit is performing a link test. The unit is not performing a link test.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Agent Menu

From the Agent Menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - AT-View Plus Device Manager allows the user to enter more than the 50-character limit for the System Contact, System Name, and System Location parameters. However, doing so may result in any of the following :

- Anywhere from 1 to 12 characters may be truncated from the entered value.
- The firmware password may be overwritten if 255 characters are entered for the System Location parameter. Once this happens, a firmware reload will be required.
- The last 50 characters of the entered value may go into the System Contact parameter if 255 characters are entered for the System Name parameter.

.

Note - AT-View Plus Device Manager allows the user to enter multiple-word values for the System Contact, System Name, and System Location parameters. NULL values are not allowed.

Management Interface Info
Displays basic interface information for the management port including description, type, physical address, speed and operation status.

Temperature Info
Displays the temperature of the device in celsius.

Power Info
Displays the status of the main and backup power supplies.

Link Test Channel 1 to 6
Displays link test mode on channels 1 to 6.

Link Test Channel 7 to 12
Displays link test mode on channels 7 to 12.

Telnet
Starts a Telnet connection to the media converter.

Status Menu

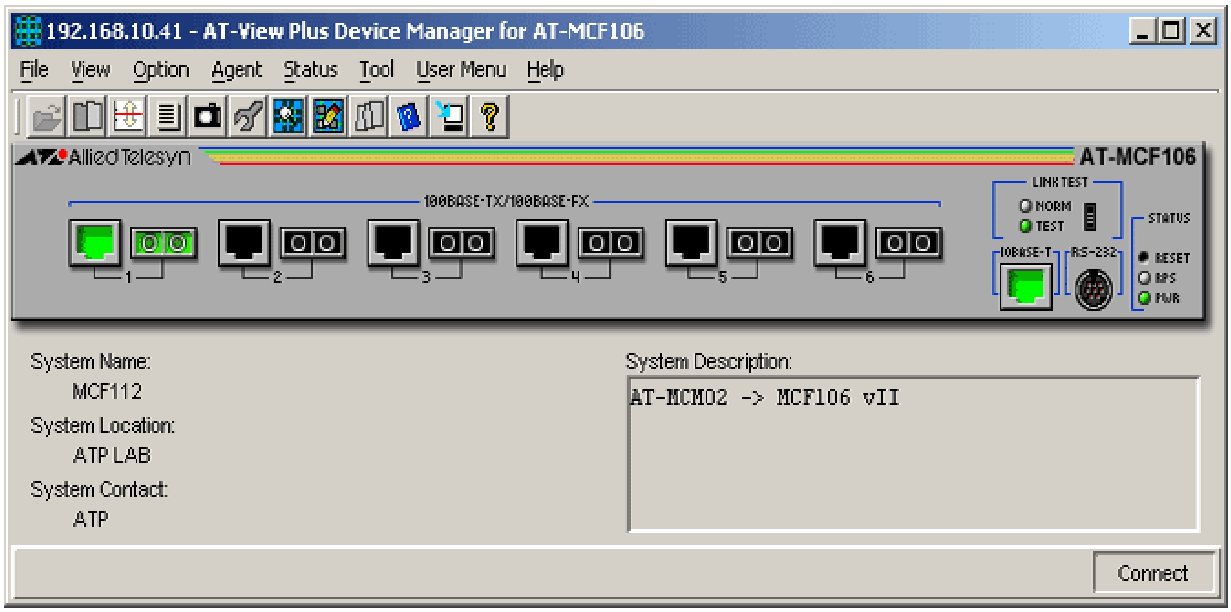
From the Status Menu, you can view all channels or per channel information.

AT-MCF106 Family

This section describes AT-View Plus Device Manager menus and operations specific to the AT-MCF106 family of media converters.

Topics:

Main Window



AT-MCF106 Family

Device Manager LEDs for AT-MCF106 Family		
LED	**State**	**Description**
PWR	Green Gray	The main power supply is installed and power is on. The main power supply is not installed or it is installed but not powered on.
RPS	Green Gray	The backup power supply is installed and power is on. The backup power supply is not installed or it is installed but not powered on.
NORM	Green Gray	The unit is not performing a link test. The unit is performing a link test.
TEST	Green Gray	The unit is performing a link test. The unit is not performing a link test.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Agent Menu

From the Agent Menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - AT-View Plus Device Manager allows the user to enter more than the 50-character limit for the System Contact, System Name, and System Location parameters. However, doing so may result in any of the following :

- Anywhere from 1 to 12 characters may be truncated from the entered value.
- The firmware password may be overwritten if 255 characters are entered for the System Location parameter. Once this happens, a firmware reload will be required.
- The last 50 characters of the entered value may go into the System Contact parameter if 255 characters are entered for the System Name parameter.

.

Note - AT-View Plus Device Manager allows the user to enter multiple-word values for the System Contact, System Name, and System Location parameters. NULL values are not allowed.

Management Interface Info
Displays basic interface information for the management port including description, type, physical address, speed and operation status.

Temperature Info
Displays the temperature of the device in celsius.

Power Info
Displays the status of the main and backup power supplies.

Link Test Channel 1 to 6
Displays link test mode on channels 1 to 6.

Telnet
Starts a Telnet connection to the media converter.

Status Menu

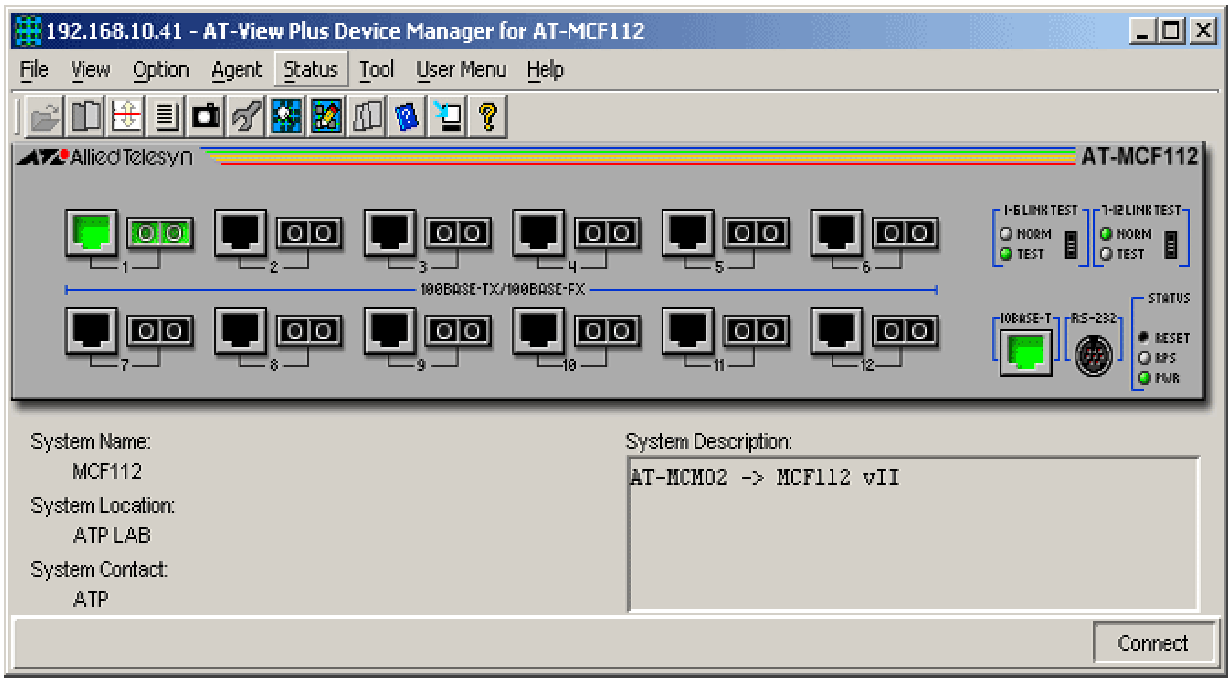
From the Status Menu, you can view all channels or per channel information.

AT-MCF112 Family

This section describes AT-View Plus Device Manager menus and operations specific to the AT-MCF112 family of media converters.

Topics:

Main Window



AT-MCF112 Family

Device Manager LEDs for AT-MCF112 Family		
LED	**State**	**Description**
PWR	Green	The main power supply is installed and power is on.
	Gray	The main power supply is not installed or it is installed but not powered on.
RPS	Green	The backup power supply is installed and power is on.
	Gray	The backup power supply is not installed or it is installed but not powered on.
NORM	Green	The unit is not performing a link test.
	Gray	The unit is performing a link test.
TEST	Green	The unit is performing a link test.
	Gray	The unit is not performing a link test.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Agent Menu

From the Agent Menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - AT-View Plus Device Manager allows the user to enter more than the 50-character limit for the System Contact, System Name, and System Location parameters. However, doing so may result in any of the following :

- Anywhere from 1 to 12 characters may be truncated from the entered value.
- The password in the firmware may be overwritten if 255 characters are entered for the System Location parameter. Once this happens, a firmware reload will be required.
- The last 50 characters of the entered value may go into the System Contact parameter if 255 characters are entered for the System Name parameter. .

Note - AT-View Plus Device Manager allows the user to enter multiple-word values for the System Contact, System Name, and System Location parameters. NULL values are not allowed.

Management Interface Info
Displays basic interface information for the management port including description, type, physical address, speed and operation status.

Temperature Info
Displays the temperature of the device in celsius.

Power Info
Displays the status of the main and backup power supplies.

Link Test Channel 1 to 6
Displays link test mode on channels 1 to 6.

Link Test Channel 7 to 12
Displays link test mode on channels 7 to 12.

Telnet
Starts a Telnet connection to the media converter.

Status Menu

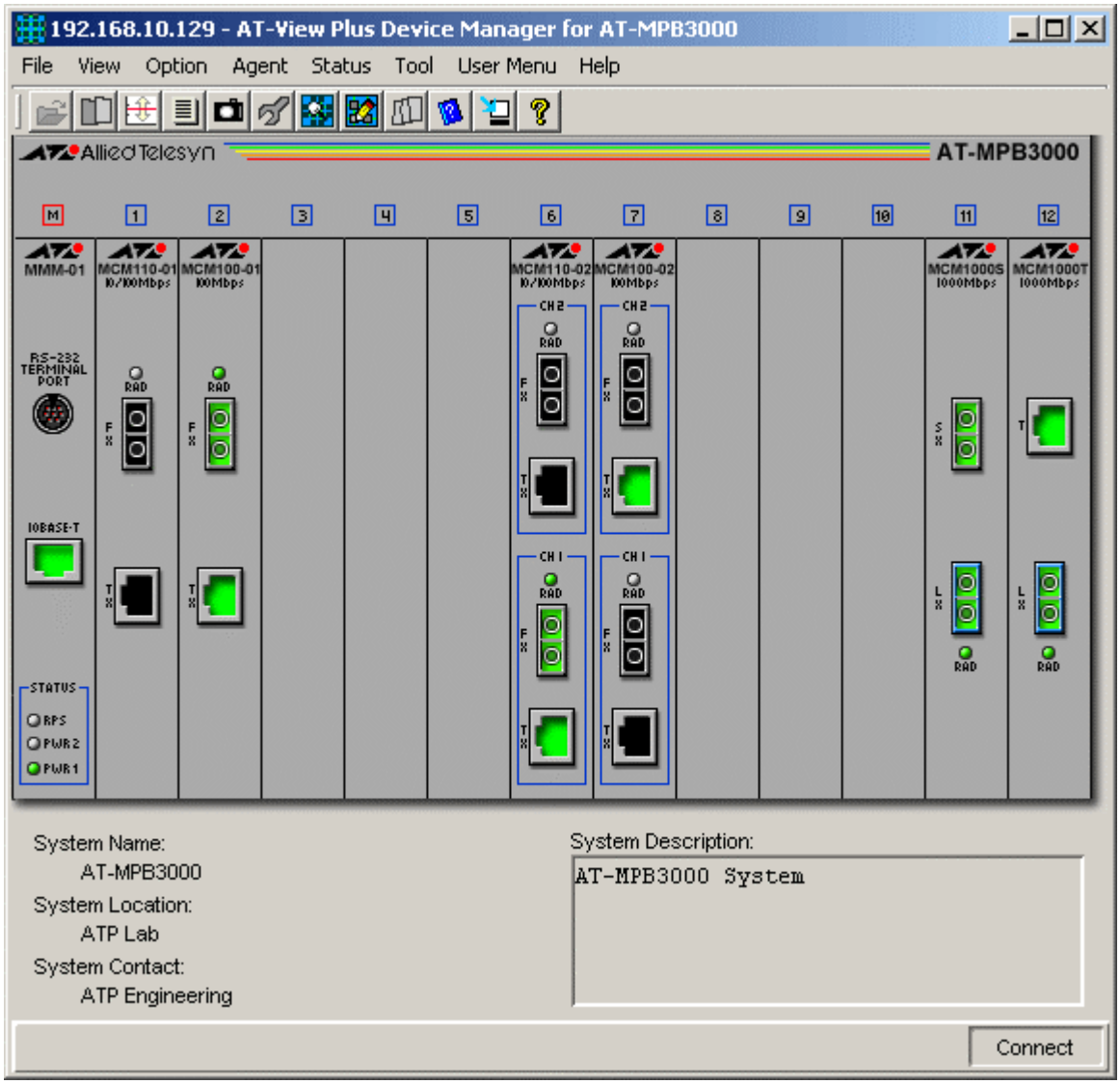
From the Status Menu, you can view all channels or per channel information.

AT-MPB3000

This section describes AT-View Plus Device Manager menus and operations specific to the AT-MPB3000 chassis.

Topics:

Main Window



AT-MPB3000

Note - The current firmware version does not allow AT-View Plus Device Manager to support stacked AT-MPB3000 devices.

Device Manager LEDs for AT-MPB3000		
LED	**State**	**Description**
PWR1	Green	Power supply 1 is installed and power is on.
	Gray	Power supply 1 is not installed or it is installed but not powered on.
PWR2	Green	Power supply 2 is installed and power is on.
	Gray	Power supply 2 is not installed or it is installed but not powered on.
RPS	Green	The optional redundant power supply is installed and power is on.
	Gray	The optional redundant power supply is not installed or it is installed but not powered on.

Agent Menu

From the Agent Menu, you can view and edit the system information for the chassis, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

Note - AT-View Plus Device Manager allows the user to enter up to 112 characters for the System Contact parameter, 132 characters for the System Name parameter, and 92 characters for the System Location parameter. However, entering more than 19 characters for any one of these parameters may affect the values of the other two parameters.

Temperature Info
Displays the actual temperature of the chassis.

Power Info
Displays power supply status.

Telnet
Starts a Telnet connection to the chassis.

Status Menu

From the Status Menu, you can view information about AT-MPB3000 Modules installed on the chassis. Options to view all/per module information are displayed.

AT-MPB3000 Modules

This section describes the modules supported by AT-View Plus Device Manager. If modules are installed on the AT-MPB3000 chassis at the time AT-View Plus Device Manager is called, they will be displayed in their corresponding slots on the chassis image.

AT-MCM100 Modules

MCM100-01	MCM100-02
	

LED	State	Description
RAD	Green	The FX port is connected to a remote access device.

Note - The MCM100-01 module image applies to the following variants:

- AT-MCM100-01SC
- AT-MCM100-01SMR
- AT-MCM100-01SMRF15
- AT-MCM100-01ST

Note - The MCM100-02 module image applies to the following variants:

- AT-MCM100-02SC
- AT-MCM100-02SMR
- AT-MCM100-02SMRF15
- AT-MCM100-02ST

AT-MCM110 Modules

MCM110-01	MCM110-02
	

LED	State	Description
RAD	Green	The FX port is connected to a remote access device.

Note - The MCM110-01 module image applies to the following variants:

- AT-MCM110-01SC
- AT-MCM110-01SMR
- AT-MCM110-01SMRF15
- AT-MCM110-01ST

Note - The MCM110-02 module image applies to the following variants:

- AT-MCM110-02SC
- AT-MCM110-02SMR
- AT-MCM110-02SMRF15
- AT-MCM110-02ST

AT-MCM1000S Modules

MCM1000S


LED	State	Description
RAD	Green	The LX port is connected to a remote access device.

Note - The TP Link Status parameter reflects the status of the SX port while the F/O Link Status parameter reflects the status of the LX port.

Note - The remote access device connected to the LX port may at times be inaccessible when link is established on the SX port. As a result, the RAD LED may turn gray and the following parameters may not return any value:

- Remote Device
- Remote Device Status
- Remote Device TP Link Status

AT-MCM1000T Modules

MCM1000T


LED	State	Description
RAD	Green	The LX port is connected to a remote access device.

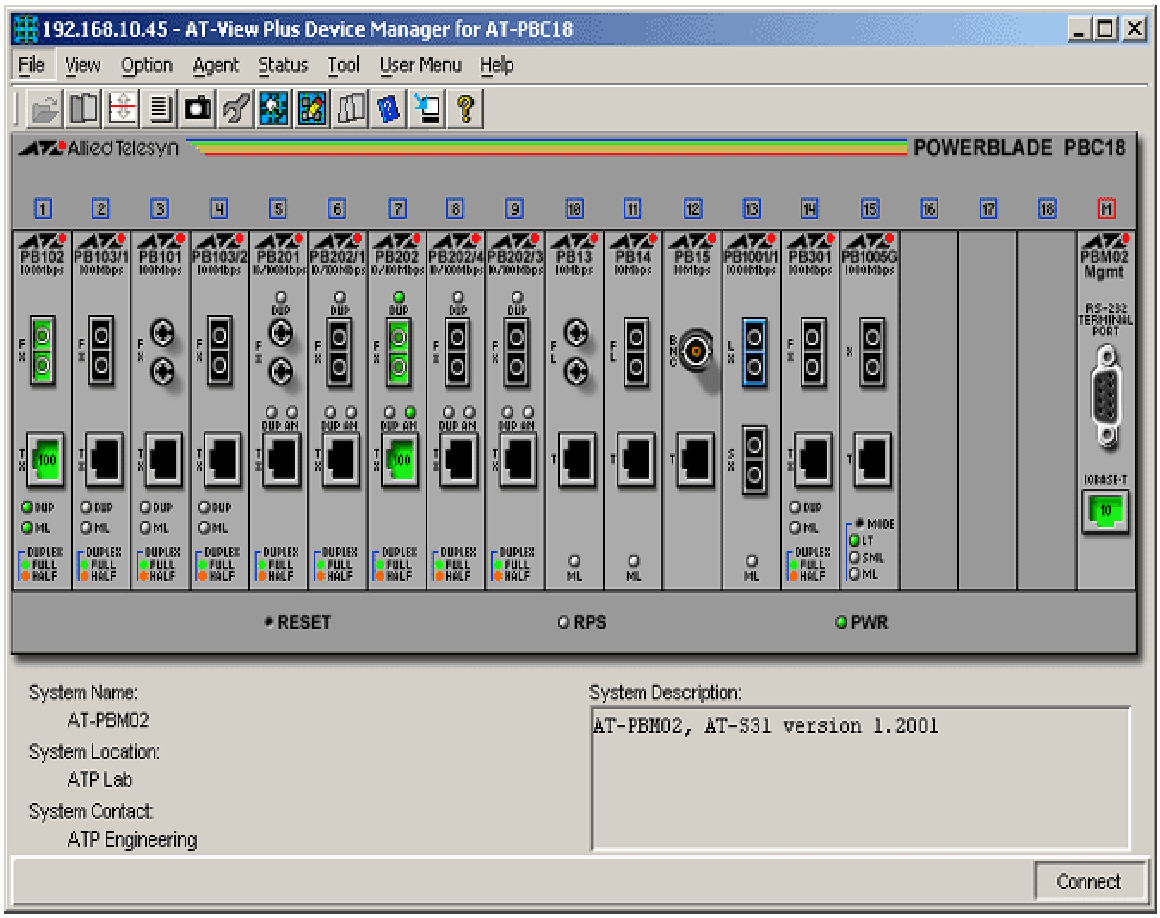
AT-MPB3000 Modules

PowerBlade

This section describes AT-View Plus Device Manager menus and operations specific to the AT-PBC18 chassis.

Topics:

Main Window



AT-PBC18

Device Manager LEDs for AT-PBC18		
LED	**State**	**Description**
PWR	Green	The main power supply is installed and power is on.
	Gray	The main power supply is not installed or it is installed but not powered on.
RPS	Green	The optional redundant power supply is installed and power is on.
	Gray	The optional redundant power supply is not installed or it is installed but not powered on.

Note - The current firmware version does not allow AT-View Plus Device Manager to support the Reset button.

Agent Menu

From the Agent Menu, you can view and edit the system information for the chassis, or log into the CLI using Telnet.

System Info
Displays basic system information, including system name, location, contact and description.

Note - AT-View Plus Device Manager allows the user to enter more than 20 characters for the System Name parameter. However, doing so will result in the following error message: "The error occurred with 'Set' operation. Error: bad value."

System Date and Time
Displays system configuration for system date and time.

Network Info
Displays network-related information such as the addresses of the default gateway and the agents.

Note -The Default Domain Name parameter returns unrecognizable characters.

FAN Info
Displays fan speed.

Management Module Temperature
Displays the actual temperature of the management module.

Chassis Temperature
Displays the actual temperature of the chassis.

Power Info
Displays power supply voltage information.

Battery Voltage
Displays the battery voltage information.

Omega
Displays Omega management interface information, including time-out and port status (RS-232 and 10Base-T).

Telnet
Starts a Telnet connection to the chassis.

Status Menu

From the Status Menu, you can view and edit information about PowerBlade Modules installed on the chassis. Options to view all/per module information are displayed.

Note - The current firmware version does not allow the Module Name parameter to be set to NULL. Attempting to set this parameter to NULL will only set it to its default value.

Note - The Module Type parameter returns 0 for the management module (19), main power supply (20), and optional redundant power supply (21).

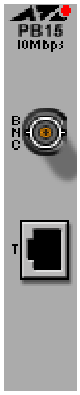
Note - The same set of parameters is displayed for each module regardless of whether or not each parameter is applicable to the module.

PowerBlade

PowerBlade Modules

This section describes the modules supported by AT-View Plus Device Manager. If modules are installed on the PowerBlade chassis at the time AT-View Plus Device Manager is called, they will be displayed in their corresponding slots on the chassis image.

AT-PB10 Series Media Converter Modules

PB13	PB14	PB15
		

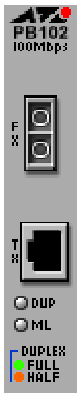
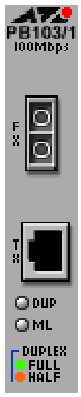
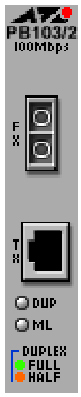
LED	State	Description
ML	Green	The Missing Link feature is enabled

Note - The Port A Mode and the Port B Mode parameters return 'not supported' for these modules.

Note - Active ports on PB13 and PB14 do not turn red when disabled using the Omega interface.

Note - The Link Test parameter of PB15 has a fixed value of 'hardware-link-test' and cannot be modified.

AT-PB100 Series Media Converter Modules

PB101	PB102	PB103/1	PB103/2
			

LED	State	Description
DUP	Green	The media converter is operating in full-duplex mode.
	Gray	The media converter is operating in half-duplex mode.
ML	Green	The Missing Link feature is enabled.

Note - The Port A Mode parameter for these modules has a fixed value of 'full' and cannot be modified.

Note - The current firmware version does not allow the Port B Mode parameter to be set to 'full' from the default value of 'half'. Likewise, it cannot be set to 'half' if it was set to 'full' using the Omega interface.

Note - Expect the DUP LED to be green when it should be gray and vice-versa when the Port B Mode parameter is set to 'auto'. This is because the current firmware version is unable to provide information on the negotiated mode for Port B.

AT-PB200 Series Switch Modules

PB201	PB202	PB202/1	PB202/3	PB202/4
				

LED	State	Description
DUP	Green	The media converter is operating in full-duplex mode.
	Gray	The media converter is operating in half-duplex mode.
AN	Green	The 10/100Base-TX port is auto-negotiating.

Note - Connection cannot be established between a 10/100Base-TX port on an AT-PB200 series module that is configured to auto-negotiate and a 10/100Base-TX port on another AT-PB200 series module that is configured to operate at 100 full/half duplex.

Note -The current firmware version allows the Port A Speed parameter to be set to '10M' even if Port A is only capable of operating at a speed of 100Mbps.

Note -The current firmware version allows the Port A Mode parameter to be set to 'auto' even if Port A is not capable of auto-negotiation.

Note -When the Port B Mode parameter is set to 'auto', the current firmware version is unable to provide information on the negotiated speed and mode for Port B. As a result, the speed reflected on the port image may be a '10' when it should really be '100' and vice-versa. Also, expect the DUP LED to be gray when it should really be green or orange.

AT-PB300 Series Media Converter Modules

PB301

LED	State	Description
DUP	Green	The media converter is operating in full-duplex mode.
	Gray	The media converter is operating in half-duplex mode.
ML	Green	The Missing Link feature is enabled.

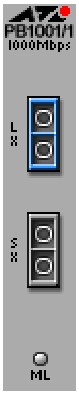
Note - Port A is displayed as an SC connector instead of a VF-45 connector.

Note - The Port A Mode parameter for this module has a fixed value of 'full' and cannot be modified.

Note - The current firmware version does not allow the Port B Mode parameter to be set to 'full' from the default value of 'half'. Likewise, it cannot be set to 'half' if it was set to 'full' using the Omega interface.

Note - Expect the DUP LED to be green when it should be orange and vice-versa when the Port B Mode parameter is set to 'auto'. This is because the current firmware version is unable to provide information on the negotiated mode for Port B.

AT-PB1000 Series Media Converter Modules

PB1001/1	PB1001/3	PB1005G
		

LED	State	Description
LT	Green	Link Test is enabled
SML	Green	Smart Missing Link is enabled
ML	Green	Missing Link is enabled

Note - Smart Missing Link is only supported on the AT-PB1005G module. However, the current firmware version allows the Link Test parameter of the AT-PB1001/1 and AT-PB1001/3 modules to be set to 'smart-missing-link'.

Note - The Port A Mode and the Port B Mode parameters return 'not supported' for these modules.

Note - A GBIC image is always visible on the GBIC slot of the PB1005G module image even if there is no GBIC physically present in the slot.

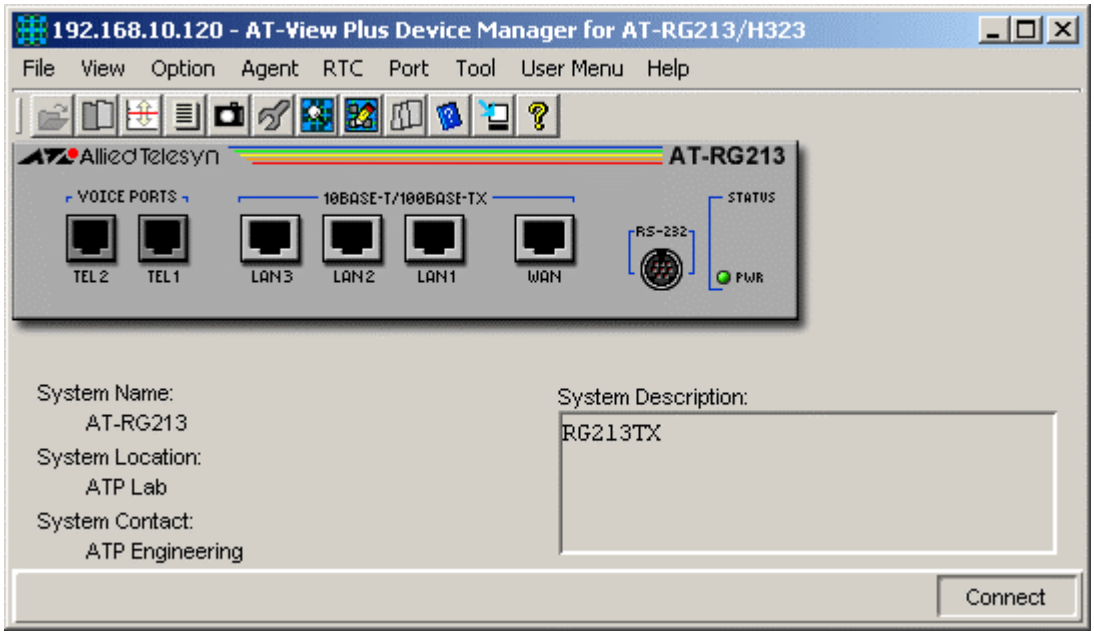
PowerBlade Modules

AT-RG213 Family

This section describes AT-View Plus Device Manager menus and operations specific to the AT-RG213FX and AT-RG213TX Residential VoIP Gateways.

Topics:

Main Window



AT-RG213

Device Manager LEDs for AT-RG213FX and AT-RG213TX		
LED	**State**	**Description**
PWR	Green	The residential gateway is receiving power.

Note - The AT-RG213FX and the AT-RG213TX share the same device image.

Agent Menu

From the Agent menu, you can view the system information for the device, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - The current firmware version does not allow the following parameters to be configured:

- System Name
- System Location
- System Contact

Attempting to configure these parameters will result in the error message: "The error occured with 'Set' operation. Error: time out occured."

Device Info

Displays device information such as the application version and hardware version.

IP Interface Info

Displays network-related information such as the addresses of the default gateway and the agents.

Configuration File List

Displays a list of all configuration files available in non-volatile memory.

Telnet

Starts a Telnet connection to the residential gateway.

RTC Menu

From the RTC menu, you can view all information related to Network Time Protocol (NTP) and Real Time Clock (RTC).

RTC Info

Displays RTC status information including current time, offset, last update, and last delta.

NTP Server Info

Displays a list of all NTP servers available.

Port Menu

From the Port menu, you can view MIB information about the ethernet and voice ports.

Interface Info

Ethernet

Displays information for each ethernet port.

Note - The current firmware version returns 'not available' for the following parameters:

- Port Link State
- Port Type
- Port Speed
- Port Duplex Mode
- Port Autonegotiation State

Voice

Displays information for each voice port. Information displayed will vary depending on the protocol used : H.323, Media Gateway Control (MGCP), or Session Initiation (SIP).

Note - H.323 : The Port Capability parameter does not display all capabilities used during call setup.

Note - MGCP : The current firmware version returns 'deleted' for the Port State parameter even if an MGCP port has already been created.

Note - MGCP : The current firmware version returns 'data -> <MIB variable name>' instead of actual values for the following parameters:

- Port Operational State
- Port Type
- Port Profile
- Port Domain
- Port End Point Identifier
- Port Package
- Port Call Agent
- Port Notified Entity
- Port Digit Map
- Port Network Loss Rate

Note - MGCP : The current firmware version returns '0' instead of actual values for the following parameters:

- Port Suspicion Threshold
- Port Disconnection Threshold
- Port Initial Retransmission Delay
- Port Maximum Retransmission Delay
- Port History Time
- Port Maximum Propagation Delay

Note - SIP : The current firmware version returns 'Not Available' for the Port Registration Time parameter.

Note - SIP : The current firmware version returns the value of the Location Server IP Address parameter on the Port Proxy Server IP Address parameter and the value of the Proxy Server IP Address parameter on the Port Location Server IP Address parameter.

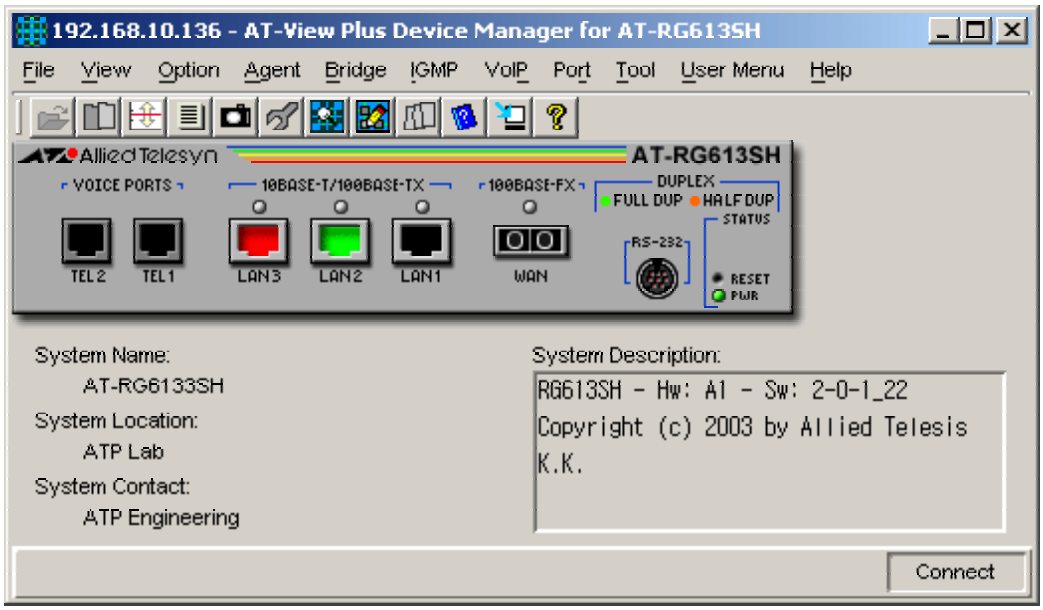
AT-RG213 Family

AT-RG600 Series

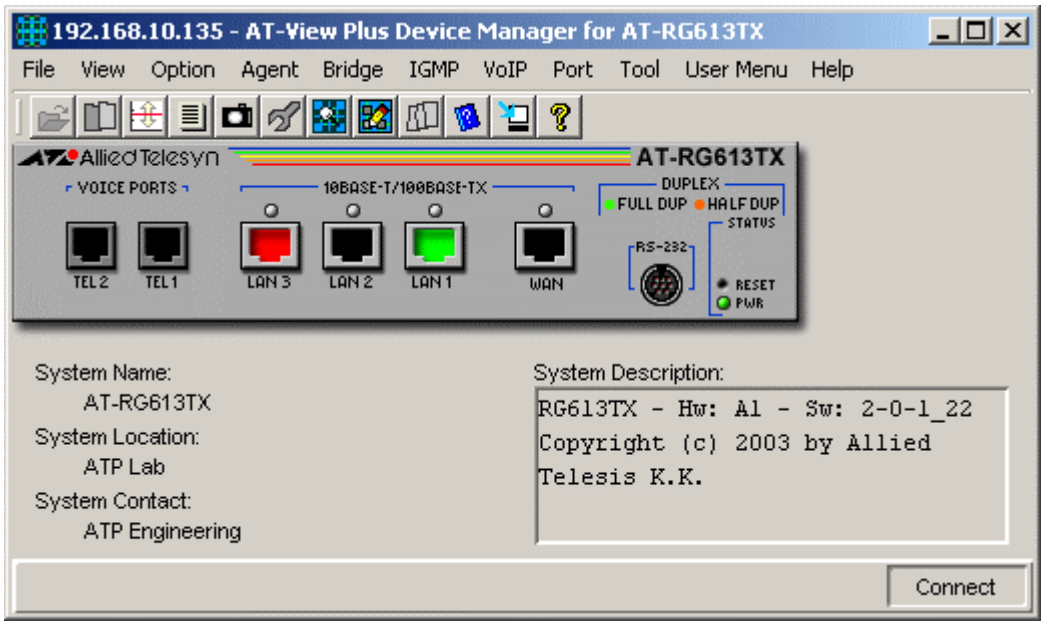
This section describes AT-View Plus Device Manager menus and operations specific to the AT-RG600 Ethernet and ADSL Residential Gateways.

Topics:

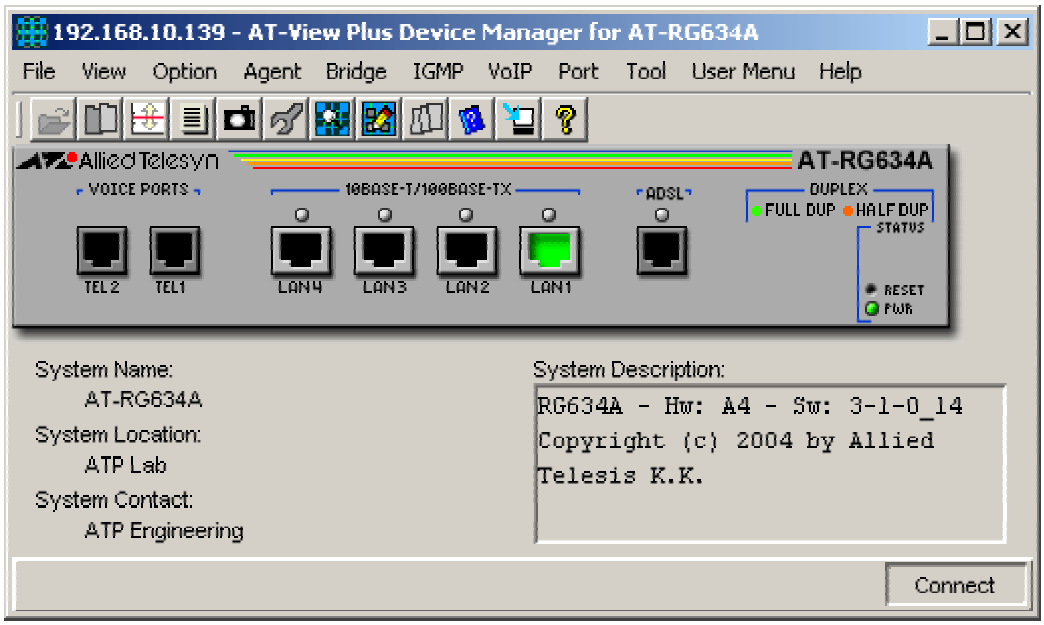
Main Window



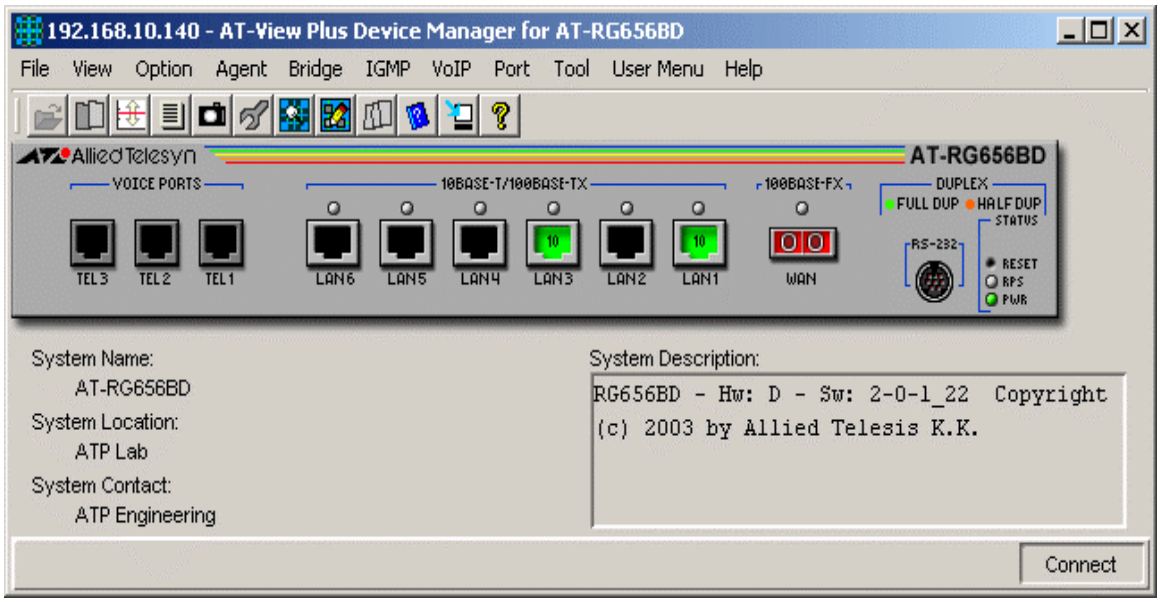
AT-RG613SH



AT-RG613TX



AT-RG634A



AT-RG656BD

Device Manager LEDs for AT-RG600 Series

LED	State	Description
PWR	Green	The residential gateway is receiving power.
DUPLEX	Green Orange	The port is operating in full-duplex mode. The port is operating in half-duplex mode.

Note - The current firmware version does not allow AT-View Plus Device Manager to determine the negotiated mode for active LAN or WAN ports that are configured to auto-negotiate. As a result, the Duplex LED will turn gray.

Note - AT-RG613xx : When link is established on a LAN or WAN port that is configured to auto-negotiate, the current firmware version returns 'No such instance' for the Speed parameter under the Standard sub-menu option. As a result, no speed is displayed on the RJ-45 LAN or WAN port images.

Note - AT-RG634A : The Port Link State parameter may sometimes return the value "up" during the refresh process. As a result, even inactive ports may turn green.

Note - AT-RG656BD : The current firmware version does not allow AT-View Plus Device Manager to support the RPS LED when using SNMPv1 and SNMPv2c.

Note - AT-RG656BD: The current firmware version does not allow AT-View Plus Device Manager to support the Reset button when using SNMPv1 and SNMPv2c.

Agent Menu

From the Agent menu, you can view and edit the system information for the device, or log into the CLI using Telnet.

System Info

Displays basic system information, including system name, location, contact and description.

Note - The current firmware version does not allow the user to enter multiple-word values for the System Name parameter. Attempting to do so will result in the error message: "The error occurred with 'Set' operation. Error: commit Failed."

Note - AT-View Plus Device Manager allows the user to enter up to 188 characters for the System Name parameter.

Note - AT-RG634A: Setting the System Name parameter to a value that begins with a numeric character will result in the error message: "The error occurred with 'Set' operation. Error: commit failed."

Device Info

Displays device information such as the application version, hardware version and vendor information.

User Info

Displays user information such as the Configuration rights, Access and Password.

Note - AT-RG613xx: Valid MIB Set values for the Comment parameter are in the range [0-80] inclusive. Attempting to set this parameter to a value outside the valid range will cause the device to restart and will eventually result in the error message: "The error occurred with 'Set' operation. Error: Time out occurred."

Note - AT-RG613xx: Valid MIB Set values for the Password parameter are in the range [0-79] inclusive. Attempting to set this parameter to a value outside the valid range will cause the device to restart and will eventually result in the error message: "The error occurred with 'Set' operation. Error: Time out occurred."

Note - AT-RG634A: Valid MIB Set values for the Comment parameter is in the range [0-255] inclusive. Attempting to set this parameter to a string that is more than 88 characters long will cause the device to restart and will eventually result in the error message: "The error occurred with 'Set' operation. Error: Time out occurred." After which, the value for the parameter is then reverted back to its default value.

Valid MIB Set values for the Password parameter is in the range [0-255] inclusive. Attempting to set this parameter to a string that is more than 87 characters long will cause the device to restart and will eventually result in the error message: "The error occurred with 'Set' operation. Error: Time out occurred." After which, the value for the parameter is then reverted back to its default value.

If GSPAN is loaded on the device, the same behavior may occur when the Comment or Password parameters are set to a string that is more than 65 characters long and more than 84 characters, respectively,

Note - AT-RG656BD: Valid MIB Set values for the Comment parameter are in the range [0-89] inclusive. Attempting to set this parameter to a value outside the valid range will cause the device to restart and will eventually result in the error message: "The error occurred with 'Set' operation. Error: Time out occurred."

Note - AT-RG656BD: Valid MIB Set values for the Password parameter are in the range [0-75] inclusive. Attempting to set this parameter to a value outside the valid range will cause the device to restart and will eventually result in the error message: "The error occurred with 'Set' operation. Error: Time out occurred."

Battery Backup Info

Displays power backup status such as the Backup Battery Status and Backup Primary Status

Reset

Resets the residential gateway.

CPE Config Save

Saves the configuration made in the residential gateway.

Note - AT-RG634A: The CPE Config Save option does not save the changes made to the configuration file.

Telnet

Starts a Telnet connection to the residential gateway.

Bridge Menu

From the Bridge menu, you can view and edit bridge information such as forwarding database, aging time info and Quality of Service (QoS) info.

Forwarding Database

Displays the Forwarding Database table.

Aging Time Info

Displays information about the aging time status, mode, and value.

Note - AT-RG613xx : The Aging Time Value parameter has a fixed value of 0 and cannot be modified.

Note - AT-RG634A: Valid MIB Set values for the Aging Time Value parameter are in the range [0-2147483647] inclusive. Attempting to set this parameter to any value will not result in an error, but the new value will not be applied.

Note - AT-RG656BD: The current firmware version does not allow the Learning Status parameter to be set to 'disable'. Attempting to do so will result in the error message: "The error occurred with 'Set' operation. Error: time out occurred."

Note - AT-RG656BD : Changing the value of the Aging Time Mode parameter causes the Aging Time Value parameter to be set to 0.

Note - AT-RG656BD : Valid MIB Set values for the Aging Time Value parameter are in the range [0-2147483647] inclusive. However, the current firmware version truncates entered values to 7 digits.

Traffic Priority
Displays the system base priority.

Routing Limit
Displays the routing limit.

Note - Setting the Routing Limit parameter to a value other than 'none' will cause the Base Priority parameter under Bridge -> Traffic Priority to be set to 0.

Note - When setting the Routing Limit parameter to a value other than 'none', the current firmware is able to set the parameter successfully for the CLI but not for SNMP. As a result, AT-View Plus Device Manager will continue to display the value 'none'.

Note - When the Routing Limit parameter is set to a value other than 'none', the value '???(0)(???(0))' may sometimes be displayed for this parameter.

QoS Info
Displays Differentiated Service Code Point (DSCP) entries and its QoS priority level.

IGMP Menu

From the IGMP menu, you can view and edit information related to Internet Group Management Protocol (IGMP).

Leave Time
Displays RTC status information including current time, offset, last update, and last delta.

Note - Valid MIB Set values for the Leave Time parameter are in the range [0-25] inclusive. Attempting to set this parameter to a value outside the valid range will not result in an error but the new value will not be applied.

Note - AT-RG634A: Valid MIB Set values for the Leave Time parameter are in the range [0-65535] inclusive. Setting this parameter to a valid or invalid value always results in the error message: "The error occurred with 'Set' operation. Error: commit Failed."

VLAN Info
Displays the VLAN table.

Group Info

Displays a list of all group multicast address.

Server Info

Displays a list of all multicast servers.

Note - The Server Info sub-menu option does not display the correct parameters. Instead, it displays the sub-menu option name as a parameter with a value of 'noSuchName'.

VoIP Menu

From the VoIP menu, you can view and edit information related to telephony services available on the residential gateway.

Note - The current firmware version does not provide the information needed by AT-View Plus Device Manager to support the H.323 and SIP protocols.

Profile Info

Displays information related to admin profile.

DTMF Relay

Displays Dual Tone Multi-Frequency (DTMF) relay status.

Note - AT-RG634A: It may take a while before the actual value for the Status parameter is displayed. The value '???(0)(???(0))' may initially be displayed while Device Manager is retrieving the actual value from the device.

Media

Displays information related to media transport.

Note - AT-RG634A: The value displayed for the RTCP Status parameter is '???(0)(???(0))'.

QoS

Displays Differentiated Service Code Point (DSCP) entries and its QoS priority level.

Note - AT-RG634A: It may take a while before the actual values for DSCP and TOS parameters are displayed. The value '0' may initially be displayed for both parameters while Device Manager is retrieving the actual values from the device.

MGCP

Protocol Info

Displays general information about the protocol.

Note - Valid MIB Set values for the Default Port parameter are in the range [1024-2147483647] inclusive. Attempting to set this parameter to a value outside the valid range will not result in an error but the new value will not be applied.

Note - When setting the Profile parameter to 'none', the current firmware is able to set the parameter successfully for the CLI but not for SNMP. As a result, AT-View Plus Device Manager will continue to display the old value.

Note - AT-RG634A: Valid MIB Set values for the Interface parameter are in the range [1-75] inclusive. But the current firmware version allows the parameter to be set to more than 75 characters.

Note - AT-RG634A: Valid MIB Set values for the NAT IP Address parameter are in the range [0-255] inclusive. Attempting to set this parameter to a value outside the valid range will result in the error message: "No access error."

Note - AT-RG634A: Values displayed on the Protocol Info MIB variable window may not be consistent with what is set on the device.

Note - AT-RG634A: Valid MIB Set values for the Interface parameter is in the range [1-75] inclusive. Attempting to set this parameter to a value outside the valid range will not result to an error message but will cause the device to restart.

Call Agent Info

Displays a list of all call agents available.

Note - AT-RG634A: It may take a while before the correct number of call agents are displayed in Device Manager.

Port Menu

From the Port menu, you can view and edit MIB information about the ethernet and voice ports.

Utilization

Displays the port's utilization information.

Interface Info

Ethernet

Displays ethernet port statistics such as the number of frames received and transmitted on the port, bytes received and transmitted on the port and port status.

Note - Valid MIB Set values for the Port Speed and Mode parameter of the 100Base-FX WAN ports should only be '100Mbps full-duplex', '100Mbps half-duplex', and 'auto sense'. However, the current firmware version allows it to be set to '10Mbps full-duplex' or '10Mbps half-duplex' as well.

Note - Under the Additional Info sub-menu option, if the Port Speed and Mode parameter is currently set to '100Mbps full-duplex', it cannot be changed to '100Mbps half-duplex' directly. You will have to set it to some other speed and mode first. This is true for all LAN and WAN ports.

Note - The Port Flow Control parameter has a fixed value of 'flow' and cannot be modified.

Note - AT-RG613xx : Changing the value of the Port Speed and Mode parameter will result in the error message: "The error occurred with 'Set' operation. Error: time out occurred." However, the new value is still set.

Note - AT-RG634A: The current firmware version returns 'No such instance' for the Speed parameter when the Standard sub-menu option is selected. As a result, no speed is displayed on the RJ-45 LAN port images.

Note - AT-RG634A: Attempting to set the Port Speed and Mode parameter under the Additional info sub-menu option, will not result in an error but the new value will not be applied.

Note - AT-RG634A: Selecting the following voice port context sub-menu items will not launch their corresponding MIB Variable Windows:

- Admin Info
- Dial Info
- Call Forwarding Info
- CLI Info
- Quality Info
- Statistics

Note - AT-RG634A: Valid MIB Set values for the Receive Limit and Transmit Limit parameters are in the range [0-1000000] inclusive. However, the current firmware version allows these parameters to be set to more than the maximum value.

Note - AT-RG656BD : When a LAN or WAN port is configured to auto-negotiate and is connected to a 100Mbps full or half duplex port on another device, the current firmware version returns '10000000' for the Speed parameter under the Standard sub-menu option. As a result, the speed displayed on the RJ-45 LAN port images is '10' instead of '100'.

Note - AT-RG656BD: The current firmware version returns '???(195)' for the Port Type parameter of the 100Base-FX WAN port.

Note - AT-RG656BD : By default, the WAN port is enabled. However, once disabled, it can no longer be enabled until the device is reset to factory defaults.

Note - If the user has no read access to the Admin Info MIB group, the association of the End-Point to the Voice Port may be incorrect when accessing the different context menu options:

- Dial Info
- Call Forwarding Info
- CLI Info
- Quality Info
- Statistics

As a result, when a user right clicks on a Voice Port (eg. Tel1) and chooses any context menu option, the information that may be shown will be for Tel2 instead.

Note - The port number assignment displayed in the Additional Info and Standard Info MIB Variable Window are inconsistent.

Voice

Displays information for each voice port.

Note - AT-RG634A: The value displayed for the Port parameter is '???(0)'.

Note - AT-RG634A: Device Manager takes a while in retrieving information from the device. As a result, the value 'no such instance' may be displayed by default. Once the retrieval process is complete, the actual values for the different MIB variables will be shown. This applies to the following sub-menu options:

- Admin Info
- Dial Info
- Call Forwarding Info
- CLI Info
- Quality Info
- Statistics

Port Interface Cards

This section describes the following Port Interface Cards supported in AT-View Plus Device Manager :

- AT-AR020
- AT-AR021
- AT-AR022
- AT-AR023
- AT-AR024
- AT-AR026
- AT-AR027

If one of these PICs is installed in a PIC bay of a Router (AT-AR400 series or AT-AR700 series), or in a Network Service Module (NSM) of a Router or Layer 3 Switch (Rapier series), it is displayed in the PIC bay of the device in the main window. The operations available for the main device include the ports in any of these PICs.

AT-AR020

Device Manager LEDs for AT-AR020		
LED	**State**	**Description**
B Data	Green	HDLC packets are being exchanged between the switch or router and another end system device (normally another switch or router) over any of the B (data) channels.
	Gray	No packet transmission over B channel.

AT-AR021

Device Manager LEDs for AT-AR021(S) and AT-AR021(U)		
LED	**State**	**Description**
B1 and B2	Green	For permanent circuits, HDLC packets are being exchanged between the switch or router and another end system device (normally another switch or router) over any of the B channel. For on-demand ISDN, there is a call up over the respective B-channel.
	Gray	No packet/data transmission over B-channel.

AT-AR022

Note - There are no LEDs on this PIC.

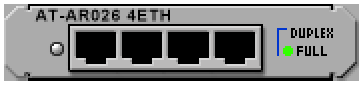
AT-AR023

Note - There are no LEDs on this PIC.

AT-AR024

Note - There are no LEDs on this PIC.

AT-AR026



Device Manager LEDs for AT-AR026		
LED	**State**	**Description**
DUPLEX	Green	The port is operating at full-duplex.

Note - The four physical ports in this PIC are configured and behave as one ETH port from the viewpoint of the software running on the device.

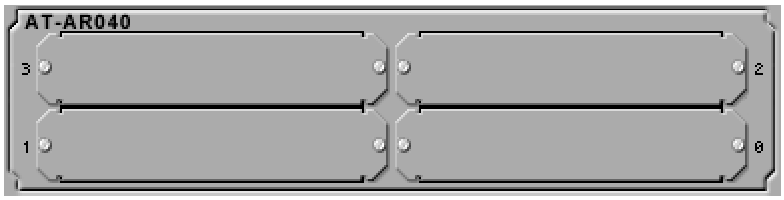
AT-AR027

Note - There are no LEDs on this PIC.

Network Service Modules

This section describes the following Network Service Modules (NSMs) supported in AT-View Plus Device Manager.

AT-AR040

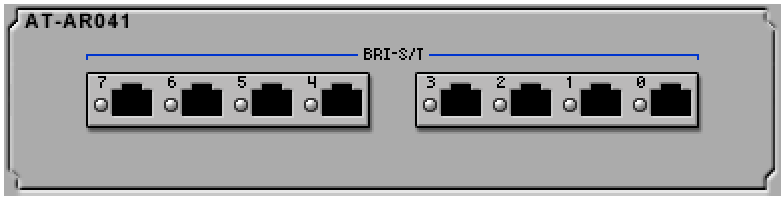


4-PIC slot NSM

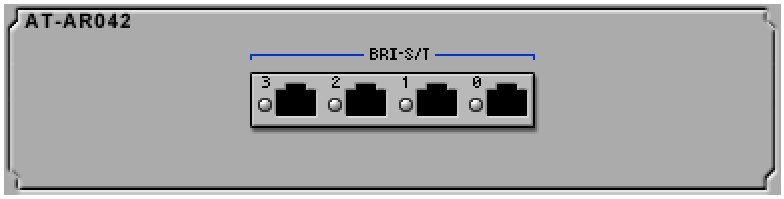
Note - Up to four Port Interface Cards can be installed in the AT-AR040 NSM.

Note - There are no LEDs on this NSM.

AT-AR041 and AT-AR042



8-port BRI-S/T NSM



4-port BRI-S/T NSM

Device Manager LEDs for AT-AR041 and AT-AR042		
LED	**State**	**Description**
Data LEDs	Orange	For permanent circuits, HDLC packets are being exchanged between the switch or router and another TE end system device (normally another switch or router) over the respective B-channel. For on-demand ISDN, there is a call up over the respective B-channel.
	Gray	No packet/data transmission over B-channel.

Uplink Modules

This section describes the Uplink Modules that can be installed in Layer 2 Switches, Advanced Layer 2 Switches, and Layer 3 Switches.

Topics :

Layer 2 Switches Uplink Modules

If the uplink modules are installed in one of the Layer 2 switches, they are displayed in the uplink bays of the device in the main window. The operations available for the main device include any of these uplink modules.

AT-A14

Device Manager LEDs for AT-A14		
LED	**State**	**Description**
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

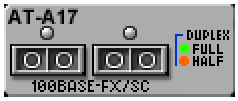
AT-A15

Device Manager LEDs for AT-A15		
LED	**State**	**Description**
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

AT-A16

Device Manager LEDs for AT-A16		
LED	**State**	**Description**
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

AT-A17



Device Manager LEDs for AT-A17		
LED	**State**	**Description**
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

AT-A18

Device Manager LEDs for AT-A18		
LED	**State**	**Description**
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

AT-A19

Device Manager LEDs for AT-A19		
LED	**State**	**Description**
DUPLEX	Green Orange	The port is operating at full-duplex. The port is operating at half-duplex.

AT-A16/AT-A17/AT-A19

Device Manager LEDs for AT-A16/AT-A17/AT-A19		
LED	**State**	**Description**
DUPLEX	Green Orange	The port is operating at full- duplex. The port is operating at half-duplex.

AT-A45/AT-A47/AT-STACKM

Note - There are no LEDs on this module.

AT-A45

Device Manager LEDs for AT-A45		
LED	**State**	**Description**
DUPLEX	Green Orange	The port is operating at full-duplex. The port is operating at half-duplex.

AT-A46

Device Manager LEDs for AT-A46		
LED	**State**	**Description**
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

Advanced Layer 2 Switches and Layer 3 Switches Uplink Modules

If the uplink modules are installed in one of the Rapier series or AT-8700XL series switches, they are displayed in the uplink bays of the device in the main window. The operations available for the main device include any of these uplink modules.

AT-A35

Note - There are no LEDs on this module.

AT-A39/T

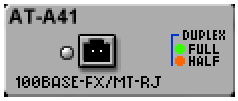
Device Manager LEDs for AT-A39/T		
LED	**State**	**Description**
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

Note - Earlier versions of the AT-A39/T uplink module may only operate at 1000 Mbps.

AT-A40

Device Manager LEDs for AT-A40/MT and AT-A40/SC		
LED	**State**	**Description**
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

AT-A41



Device Manager LEDs for AT-A41/MT and AT-A41/SC		
LED	**State**	**Description**
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

AT-A42/GBIC

Device Manager LEDs for AT-A42/GBIC		
LED	**State**	**Description**
DUPLEX	Green	The port is operating at full-duplex.
	Orange	The port is operating at half-duplex.

Uplink Modules