

Where to Find Information

| To set up... | See... |
|----------------|---|
| An IP address | <ul style="list-style-type: none"> The web interface and associated help. Note: The device's initial IP address cannot be set up with the web interface. The set config command in the online <i>Command Reference</i> The section on configuring the Ethernet interface in the online <i>Configuration and Administration Guide</i> |
| autoconnection | <ul style="list-style-type: none"> The web interface and associated help The set user and set ports commands in the online <i>Command Reference</i> The section on configuring autoconnection in the online <i>Configuration and Administration Guide</i> |
| DPA - Remote | <ul style="list-style-type: none"> The online <i>Digi Port Authority - Remote Device Monitor Setup Guide</i> |
| Menus | <ul style="list-style-type: none"> The web interface and associated help The set menu command in the online <i>Command Reference</i> |
| Ports | <ul style="list-style-type: none"> The web interface and associated help The set ports, set flow, and set line commands in the online <i>Command Reference</i> The sections on configuring ports for RealPort, modems, terminals, and printers in the online <i>Configuration and Administration Guide</i> |
| Port Buffering | <ul style="list-style-type: none"> The web interface and associated help The set buffers commands in the online <i>Command Reference</i> The section on Console Management in the online <i>Configuration and Administration Guide</i> |
| PPP | <ul style="list-style-type: none"> The web interface and associated help The set user command in the online <i>Command Reference</i> |
| RealPort | <ul style="list-style-type: none"> The web interface and associated help The set ports command in the online <i>Command Reference</i> The online RealPort library |
| SSH | <ul style="list-style-type: none"> The web interface and associated help The set user command in the online <i>Command Reference</i> The section on Console Management in the online <i>Configuration and Administration Guide</i> |

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|--------------|---|
| SNMP agent | <ul style="list-style-type: none"> The set snmp command in the online <i>Command Reference</i> The section on configuring the SNMP agent in the online <i>Configuration and Administration Guide</i> |
| Users | <ul style="list-style-type: none"> The web interface and associated help The set user and newpass commands in the online <i>Command Reference</i> The section on configuring users in the <i>Configuration and Administration Guide</i>. |
| User Data | <ul style="list-style-type: none"> The web interface and associated help The set socketid command in the online <i>Command Reference</i> |

Package Contents

The package contains the following items:

- One Digi One RealPort Module and power supply unit with EU, UK, or North American power cord.
- One RJ-45 to DB-9 crossover cable. This is intended for connecting a terminal or PC so that you can configure your Digi device.

Note: For additional cables, contact your dealer or distributor.

- One loopback plug
- Access Resource CD
- This card, an Access Resource CD card, and associated paperwork

AC Power Requirements

3.3 VDC ± 5%, 0.75 Amp (max) external power supply



Connectware™

About This Card

Use this card for a brief introduction to your Digi One RealPort Module and as a guide to more detailed information required for setup.

Key Features

Here are some of the key features of Digi One RealPort Module:

- Configurable from a web browser, a Telnet connection, or a serial port connection to a laptop or PC
- Remote monitoring through Digi Port Authority--Remote, a network-based, monitoring tool capable of monitoring the network interface and serial port activity
- Local TTY and COM port functionality using Digi RealPort software
- Connection to other network devices with PPP
- Upgradable firmware using TFTP or HTTP
- Auto-sensing 10/100 TX Ethernet connection
- Industry standard surge suppression and ESD protection to 15 kilovolts on all signal pins
- LED indicators to display network information

**Digi One RealPort Module
Setup Card**

Setup Overview

Use this overview to identify the steps required to set up the Digi device. This overview provides a simple method for accomplishing common tasks. For information on alternative methods and other configurable features, see the online documentation.

Step A: Set Up the Hardware

1. Connect the device to the power supply, the power supply to an outlet, and the device to the network.
2. Connect peripherals to serial ports.

For cabling information, see the *Terminal Server Cable Guide* on the Access Resource CD.

Step B: Install and Set Up DPA-Remote

DPA-Remote is a utility that configures an IP address for your Digi One RealPort Module and monitors serial ports. This step is not required if you do not intend to use DPA-Remote to configure the IP address or to monitor ports.

Note: DPA-Remote cannot be used to change the IP address of a Digi One RealPort Module that has already been assigned one; it can only be used to configure the initial IP address, nor will it work if a DHCP server is active on the network.

For information on installing DPA-Remote, see the online *Digi Port Authority - Remote Device Monitor Setup Guide*.

Step C: Configure an IP Address

The following are 4 methods for configuring an IP address. Use the one that is most convenient for you.

Method 1: Using DPA-Remote

1. Run DPA-Remote.
2. If DPA-Remote is not set for ADDP, choose ADDP as the Discovery Protocol.
3. Choose Discover.

A list of Digi devices with IP addresses of 0.0.0.0 appears.

4. Select a Digi One RealPort Module from the list and then choose Configure.
5. Supply an IP address, subnet mask and default gateway and then choose OK.

DPA-Remote configures the IP address, subnet mask and default gateway.

Method 2: Using Ping-ARP

Use this section to configure an IP address by manually updating a server's ARP table and then pinging the Digi One RealPort Module.

1. Record the MAC address of the Digi One RealPort Module. It is on the back of the unit.
2. Access a server on the same subnet as the Digi One RealPort Module.
3. Manually update the server's ARP table using the Digi One RealPort Module's MAC address and the IP address you want assigned to the PortServer. The following is an example of how this is done on a Windows NT 4.0 system:

```
arp -s 143.191.2.1 00-40-9d-22-23-60
```

4. Ping the PortServer using the IP address just assigned. The following is an example:

```
ping 143.191.2.1
```

The ping will probably time out before there is a response.

5. Wait a few seconds and then ping again.

The Digi One RealPort Module replies to the ping, indicating that the IP address has been configured.

Method 3: Using DHCP or RARP

1. Record the MAC address of the Digi One RealPort Module, which is located on the back of the unit.
2. Set up an entry for an address on a DHCP or RARP server. If you intend to use RealPort, do the following:
 - Reserve a permanent IP address.
 - Record the IP address. You will need it when you configure the RealPort driver.
3. Power on the PortServer.

Method 4: Using the Command Line

1. Connect a terminal or PC to a serial port on the Digi One RealPort Module. For a Windows Hyperterminal connection, use the cable that came in the package
2. Configure the parameters of the terminal or terminal emulation software to work with the Digi serial port. The default port settings are:
 - VT 100 emulation
 - 9600 baud
 - 8-bit character
 - 1 stop bit
 - No parity

3. Log into the Digi One RealPort Module as root by entering the following commands: (You may have to press the Enter key to get a Login prompt.)

- At the login prompt, type `root`.
- At the password prompt, type `dbps` (which is the default password. If the password has been changed, use the new password.)

See the `newpass` command in the online *Command Reference* for information on changing the root password.

4. Configure an IP address with the following command:

```
set config dhcp=off ip=ip-addr submask=mask
```

where *ip-addr* is the IP address to configure and *mask* is the subnet mask used by the network

Example

```
set config dhcp=off ip=192.10.7.3  
submask=255.255.255.0
```

5. Reboot at the reboot prompt.

Step D: Configure Ports Using the Web Interface

1. Access the Digi One RealPort Module from a web browser by specifying the device's IP address in the URL window.
2. Log into the Digi One RealPort Module as root by entering the following:
 - At the login prompt, type `root`.
 - At the password prompt, type `dbps` (which is the default password. If the password has been changed, use the new password.)
3. Use the web interface to configure ports. See the online help for information on configuration fields.
4. If you intend to use RealPort, install RealPort software on a server. See the online RealPort library for more information.

Step E: Configure other Features as Required

See *Where to Find Information* on this card for ideas on additional features to configure and directions as to where to find setup information.

Step F: Troubleshoot Setup Problems

Ensure that your setup works as you intend. If you encounter setup problems, see the troubleshooting section in the *Digi One RealPort Module Configuration and Administration Guide*.
