



# **RealPort for Windows NT and Windows 2000**

## **Introduction**

This card describes RealPort installation and configuration on Windows systems.

## **Planning Information**

### ***Naming Convention***

In this document, "PortServer" means both PortServer and PortServer II. Only when something applies to one and not the other is a distinction made between the two.

### ***Requirements***

- The RealPort driver requires between 1 and 2 MB of system memory.
- For every 16 XEM ports connected to the PortServer, the system requires an additional 4 MB of memory.
- A PortServer must be equipped with firmware version 3.4.12 or later to run RealPort. A PortServer II must be equipped with version 3.0.4 or later.
- You must use a 10-pin RJ-45 cable to connect devices to PortServer ports.

### ***Limitations***

- PortServers support 10 Mbps Ethernet networks only. 100 Mbps networks are not supported.
- RealPort version 1.0.3 is the only version that supports Windows NT Alpha systems. You can access this driver at the Digi Web site (<http://www.digi.com>)

### ***Peripheral Information***

- To correctly cable peripherals to RealPort ports, determine the peripheral cabling and flow control requirements. See the peripheral documentation for information.
- Be sure that you have the correct software drivers handy for your printer or modem.

### ***PortServer Configuration***

Before beginning RealPort installation and configuration, use the PortServer set config command to assign an IP address to every PortServer you will use for RealPort. Record this information for use during RealPort installation and configuration.

### ***About Port Mappings***

The number of local ports on Windows NT and Windows 2000 systems offsets the port number of PortServer/RealPort ports. For example, if you have two local COM ports, port 1 on the PortServer is seen by the RealPort service as COM 3.

The Digi logo is a registered trademark of Digi International. RealPort is a trademark of Digi International. All other brand and product names are trademarks of their respective holders.

© Digi International Inc., 1999, 2000

All Rights Reserved

<http://www.digi.com>

Information in this document is subject to change without notice and does not represent a commitment on the part of Digi International.

Digi provides this document "as is", without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of fitness or merchantability for a particular purpose. Digi may make improvements and/or changes in this manual or in the product(s) and/or the program(s) described in this manual at any time.

This product could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes may be incorporated in new editions of the publication.

## Windows NT 4.0: Installation

1. Sign on as the administrator.
2. From the Start menu, choose Settings > Control Panel > Network > Services.
3. Choose Add > Have Disk... .
4. Type in the path to where the RealPort driver is stored and then choose OK.
5. Choose Digi RealPort Service and then OK.  
Files are installed and the configuration wizard started.
6. Follow the prompts and use the online help for assistance in completing installation and configuration.
7. When you finish, restart the system.

## Windows NT 4.0: Configuring a Modem on a RealPort Port

1. From the Start menu, choose Settings > Control Panel > Modems.
2. Choose Add > Next. This option auto-detects the modem. If the system does not auto-detect the proper modem, select the modem.
3. Follow the prompts to install and set up the modem.

## Windows NT 4.0: Configuring a Printer on a RealPort Port

1. From the Start menu, choose Settings > Printers > Add Printer.
2. From the Add Printer Wizard, choose My Computer > Next.
3. From the list of available ports, choose LPT1 (temporarily, until RealPort ports are added) and then Next.
4. Use the Add Printer Wizard to install and configure a printer driver.  
**Note:** Do not print a test page.
5. When the new printer is displayed in the Printer's Menu, choose the new printer and then File > Properties.
6. Choose the Ports tab and then Add Port > Local Port > New Port.
7. Type in the Digi port name followed by a colon (example: COM18 :) and then choose OK.
8. When the Ports list appears, choose the Digi port and then Settings.
9. Set the Baud Rate to 9600, Data Bits to 8, Parity to None, Stop Bits to 1 and Flow Control to match your printer configuration.
10. Choose OK > Add.
11. When you are prompted to reboot your system, choose Do not Restart Now.
12. Choose Close and then restart the system.
13. When the system restarts, access the Printer menu.
14. Choose the printer and then File > Properties > Ports.
15. Choose the Digi port from the list and then OK.

## Window NT 4.0: Accessing the RealPort Configuration

1. From the Start menu, choose Settings > Control Panel > Network > Services.
2. Choose the Digi RealPort Service and then Properties.
3. Choose a PortServer and then Properties.
4. When the RealPort Properties page appears, use the help text to guide you through the configuration procedures.

## Windows 2000: Installation

1. Choose Start > Settings > Control Panel > Add/Remove Hardware > Next.
2. Choose Add/Troubleshoot a device > Next.  
The system searches for the device. When it determines that it cannot find the device, it displays a list of devices.
3. Choose Add a new device > Next.
4. Choose No, I want to select the hardware from a list > Next.
5. Choose Multi-port serial adapters > Next.
6. From the Manufacturer's list, choose Digi International, and from the Model's list, choose Digi PortServer.
7. Choose Next > Next.
8. Use the Add PortServer Wizard and the online help to complete installation and configuration.
9. Exit the Add/Remove Hardware Wizard when you are finished.

## Windows 2000: Configuring a Modem on a RealPort Port

1. From the Start menu, choose Settings > Control Panel > Phone and Modem Options.
2. Choose the Modem tab and then Add.
3. Follow the Windows 2000 prompts to add the modem to the RealPort port.

## Windows 2000: Configuring a Printer on a RealPort Port

1. From the Start menu, choose Settings > Printers > Add Printer.
2. Use the Add Printer Wizard to add a printer to the RealPort port.

## Windows 2000: Accessing the RealPort Configuration

1. Right-click My Computer.
2. Choose Properties and then the Hardware tab.
3. Choose Device Manger.
4. Expand the Multi-port Serial Adapters list if necessary and then choose Digi PortServer.
5. Right-click and then choose Properties > Advanced.
6. Use the Digi PortServer Properties utility and the online help for aid in making configuration changes.