2. Configure the parameters of the terminal emulation software to work with the Digi serial port. The default port settings are:
   • VT 100 emulation
   • 1 stop bit
   • 9600 baud
   • No parity
   • 8-bit character

3. Log into the Digi One TS/PortServer TS 2/4 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 ddbps (which is the default password. If the password has been changed, use the new password.)

4. Use the command line to change the root password.

5. Reboot at the reboot prompt with the following command:
   boot action=reset

Step D: 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 TS/PortServer TS 2/4 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 TS/PortServer TS 2/4.

1. Record the MAC address of the Digi One TS/PortServer TS 2/4. It is on the back of the unit.
2. Access a server on the same subnet as the Digi One TS/PortServer TS 2/4.
3. Manually update the server’s ARP table using the Digi One TS/PortServer TS 2/4’s MAC address and the IP address you want assigned to the Digi device. 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
   ping 143.191.2.1
   The ping will probably time out before there is a response.
4. Wait a few seconds and then ping again.

The Digi One TS/PortServer TS 2/4 replaces 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 TS/PortServer TS 2/4, which is located on the back of the unit.
2. Set up an entry for an address on a DHCP or RARP server.

Step E: Configure Ports Using the Web Interface

1. Access the Digi One TS/PortServer TS 2/4 from a web browser by specifying the device’s IP address in the URL window.
2. Log into the Digi One TS/PortServer TS 2/4 as root by entering the following:

   • At the login prompt, type root.
   • At the password prompt, type ddbps (which is the default password. If the password has been changed, use the new password.)
3. Use the web interface to configure the Digi devices.

Step F: Configure other Features as Required

For information on installing DPA-Remote after downloading it from the Digi web site, see the online Digi Port Authority - Remote Device Monitor Setup Guide.

Step G: Troubleshoot Setup Problems

Ensure that your setup works as you intend. If you encounter setup problems, see the troubleshooting section in the Digi One TS/PortServer TS 2/4 Configuration and Administration Guide.
Where to Find Information

Specifications

**WARNING:** To prevent electric shock, do not remove the cover of this module. There are no user-serviceable parts inside. Refer servicing to qualified personnel.

### Power Requirements

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Voltage Range</th>
<th>Current (Max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-contact barrel</td>
<td>+9 to +30 VDC</td>
<td>500 mA (max)</td>
</tr>
<tr>
<td>RJ-45 Powered Ethernet</td>
<td>+30 to +60 VDC</td>
<td>100 mA (max)</td>
</tr>
</tbody>
</table>

### Environmental

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>0 to 55 degrees Celsius (32 to 131 degrees Fahrenheit)</td>
</tr>
<tr>
<td>Humidity</td>
<td>5% to 90% non-condensing</td>
</tr>
<tr>
<td>Altitude</td>
<td>0 to 12,000 feet (0 to 3,658 meters)</td>
</tr>
</tbody>
</table>

### Mechanical

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>13.33 centimeters (5.25 inches)</td>
</tr>
<tr>
<td>Width</td>
<td>8.25 centimeters (3.25 inches)</td>
</tr>
<tr>
<td>Height</td>
<td>1.90 centimeters (0.75 inches)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.227 Kilos (8 ounces)</td>
</tr>
</tbody>
</table>

### FCC Part 15 Class A

**Radio Frequency Interference (RFI) (FCC 15.105)**

This equipment has been tested and found to comply with the limits for Class A digital devices pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Labeling Requirements (FCC 15.19)**

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Modifications (FCC 15.21)**

Changes or modifications to this equipment not expressly approved by Digi may void the user's authority to operate this equipment.

**Cables (FCC 15.27)**

Shielded cables must be used to remain within the Class A limitations.

**ICES 003 Class A**

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Reglement sur le brouillage radioelectrique releve par le ministere des Communications du Canada.

### Key Features

- Switchable line interface (EIA-232/422/485)
- 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

### Where to Find Information

**To set up...**

- 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 Command Reference
- The section on configuring the Ethernet interface in the online Configuration and Administration Guide

**Autoconnection**

- The web interface and associated help
- The set user and set ports commands in the online Command Reference
- The section on configuring autoconnection in the online Configuration and Administration Guide

**DPA - Hamtide**

- The online Digi Port Authority - Remote Device Monitor Setup Guide

**Menus**

- The web interface and associated help
- The set menu command in the online Command Reference

**Ports**

- The web interface and associated help
- The set ports, set flow, and set line commands in the online Command Reference
- The sections on configuring ports for RealPort, modems, terminals, and printers in the online Configuration and Administration Guide

**PPP**

- The web interface and associated help
- The set user command in the online Command Reference

**RealPort**

- The web interface and associated help
- The set ports command in the online Command Reference
- The online RealPort library

**SNMP agent**

- The set string command in the online Command Reference
- The section on configuring the SNMP agent in the online Configuration and Administration Guide

**Users**

- The web interface and associated help
- The set user and newpass commands in the online Command Reference
- The section on configuring users in the Configuration and Administration Guide

**User Data**

- The web interface and associated help
- The set socketed command in the online Command Reference