Digi®
Connectware™

PortServer® CM
Quick Start Guide

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1 What's in the Box

PortServer CM 32 (shown)

User Manual

5 Connection Cable
Additional quantities may be ordered directly
from Digi at 1-877-912-3444.
See CABLE ORDERING CHART.

Loop Back
Connector

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2 Hardware Setup

1 Plug in the power cable.
2 Connect to Ethernet LAN
3 Switch on the PortServer CM.

Console
Port

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3 Assign Network Settings

Are you a POWER USER?...Use Netconfig
1. Establish a serial connection through the **console port** (9600, 8, N, 1).
2. Login as **root**, and password **dbps**.
3. The **Netconfig** utility will automatically run and prompt for entering settings.

Browser-based Discover Utility

1 Using Microsoft Internet Explorer or Netscape 4.x, start the Discovery Utility APPLET
by entering **http://cm.digi.com** in the address bar.

Address   http://cm.digi.com/

2 **Download** discover utility.

3 Click on the Discover button.

Discover

4 Match the **MAC address** printed on the white label on the back of the PortServer CM to identify
the specific device or use the **LOCATE** button to flash all the LEDs on the desired PortServer CM.

5 Enter your IP address, Netmask, Gateway and submit.
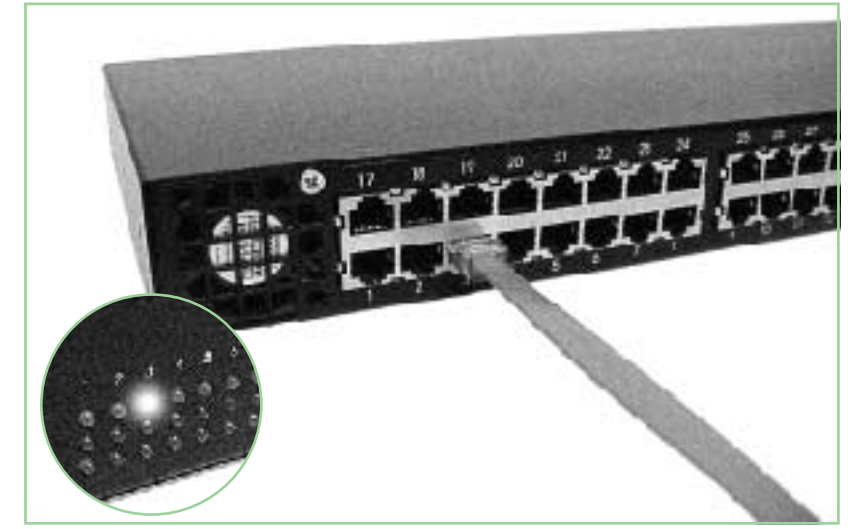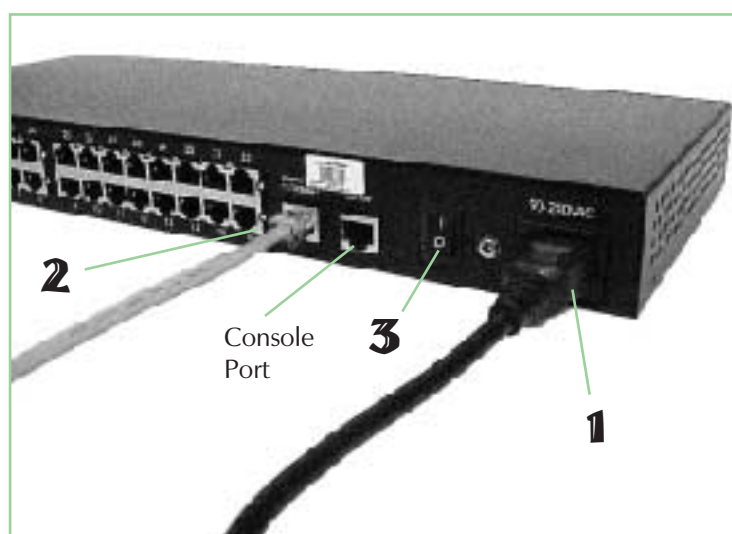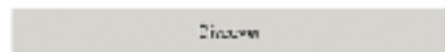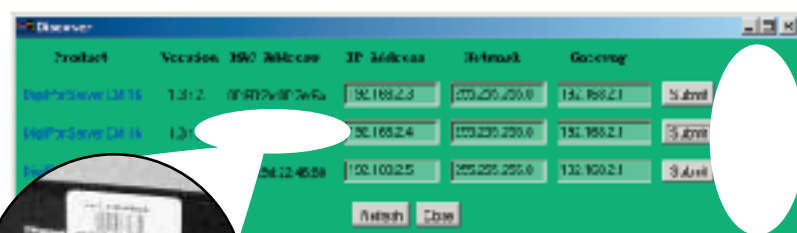
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4 Accessing a Port

1 Telnet to the IP Address and port
number of the PortServer CM

> **Telnet [PSCM-IP] 70xx**

where xx is the port number

Example: > **Telnet 192.168.2.2 7003**

The amber LED corresponding to the
port number on the PortServer CM
will now remain lit indicating the
port is occupied and active.

Congratulations,
you have successfully installed your PortServer CM.

Configure the device using the WEB UI, by simply entering
the IP address into your browser's address bar.

? Frequently Asked Questions

Q: **What is the default port configuration?**
A: All 32 ports are by default, set to 9600-8N1 Xon/Xoff flow control. They are also set to use
"socket server" protocol with the socket id starting at '70xx'. This means that you can connect to
the port(s) by 'telnet CM_IP 70xx' (xx equals actual port number).

Q: **How do I enable port buffering?**
A: · Most easily done thru the WEB UI under 'serial ports' then 'Data Buffering'. Options allow you
to set the port buffer size in bytes (200 is a good estimate), specify a syslog server to log to if desired,
and if you want to be prompted to look at the buffer next time connected.
· Refer to Digi's knowledge base for more information at 'support.digi.com'.

Q: **How do I create and use a menu?**
A: Thru our 'digi_menu' utility. This can be invoked from the PortServer CM command line or by
adding the command to a users '.profile' file to run automatically after login. By default all ports
show up as 'ttyS##'. This can be changed per port to something more user friendly.
· From the WEB UI under "serial ports" then "SSH" section there is a 'serverfarm' option, for each
port specify what you want to appear when running 'digi_menu'.

Q: **How do I make my configuration changes take effect immediately and permanently?**
A: · From the WEB UI select under "Administration" then "Restart processes". Then "stop" the "digi_ras"
process and then restart it.
· From the PortServer CM 32 command line after editing 'pslave.conf' you MUST run 'signal_ras hup'
for changes to take immediate effect and run 'saveconf' to permanently store in flash.

Q: **Which cables do I use for console managing my servers?**
A: The cables marked "console" are crossed over and are the proper cables to use when connecting
to serial ports on servers (console managing) and for hooking up terminals and printers. The cable
labeled "modem" is ONLY used for connecting to a modem.

Cable Ordering Chart   **To Order Call 1-877-912-DIGI**

	CABLE	ORDER #	APPLICATION
	RJ-45 to RJ-45 Crossover, 6'	76000636	Cisco, SUN Netra Directional cable: note "digi" and "sun" labels
	RJ-45 to DB-9 Female Crossover, 6'	76000637	Bay Accelar, Nortel and other DB-9 DTE devices
	RJ-45 to DB-25 Female Crossover, 6'	76000638	DTE devices with DB-25 Male ports
	RJ-45 to DB-25 Male Straight, 6'	76000639	DCE devices such as modems
	RJ-45 to DB-25 Male Crossover, 6'	76000658	Sun Sparc and other DTE devices with DB-25 Female ports