

Features/Specifications

Features

Common

- Full printer and modem support
- Extensive on-line help
- LED line status indicators for both serial and Ethernet line activity
- Surge protection on all ports
- Up to nine TELNET or RLOGIN sessions per port
- Ports may be shared between different hosts running different operating systems
- Easily upgradeable firmware via TFTP
- 64 TCP/IP sessions available
- Supports up to 16 alternate IP addresses
- Supports RARP allowing for remote configuration
- Save/Restore configuration to host
- Full modem and hardware flow control

PortServer

- Eight or 16 ports
- 57.6 Kbps throughput
- 20 MHz 80186 Microprocessor
- 1MB RAM
- Password access security
- SNMP MIB II management
- 256K EPROM non-volatile memory

PortServer II

- 16 ports expandable to 64
- 115.2 Kbps throughput on async ports
- 56, 64 or 128 Kbps throughput on sync ports
- 20 MHz 3051 RISC processor
- 2MB RAM; field upgradable to 16MB
- LAN-to-LAN routing with RIP
- PPP, SLIP, and CSLIP dial-up protocols
- Password access, PAP, CHAP, and RADIUS security
- Dynamic IP addressing for dial-in users
- SNMP MIB II plus character and RS-232 MIBs management
- External logging and tracking
- Local and remote session logging
- IP packet filtering
- 2 MB non-volatile flash RAM

RealPort Software Features

- Local emulation of UNIX line discipline "Real TTY"
- Transparent print (UNIX)
- One TCP/IP connection per 16 ports reduces Ethernet traffic and minimizes host CPU utilization

RealPort Software

- SCO, UNIX SVR4, Solaris X86, Solaris SPARC, AIX, Novell NetWare Connect

Power Requirements

PortServer

- External 25W 50/60 Hz power supply

PortServer II

- External 43W 50/60 Hz power supply

Environmental Requirements

- Ambient temperature: 50° F to 130° F (10° C to 55° C)
- Relative humidity: 5% to 90%
- Altitude: 0 to 12,000 ft (0 to 3,660 m)
- Air movement: 30 CFM forced

Connectors

Ethernet

- 10BaseT (UTP RJ45)
- 10Base2 (BNC)

Asynchronous/Synchronous

- RJ45

Regulatory Approvals

- FCC Class A
- UL Recognized
- CE Compliant

Digi Service And Support

You can purchase with confidence knowing that Digi is here to support you with expert technical support, the industry's strongest warranty (five full years) and a 30 day money-back guarantee.

Dimensions

	Length	Width	Height	Weight
PortServer	12.0 in (30.48 cm)	7.0 in (22.4 cm)	2.4 in (5.7 cm)	2.3 lbs. (1.0 kg)
PortServer II	12.0 in (30.48 cm)	7.0 in (22.4 cm)	2.4 in (5.7 cm)	2.9 lbs. (1.3 kg)

Optional 19 in. rack chassis - 2U available

Models and Part Numbers

Selected Models & Part Numbers	N. American	International
Digi PortServer 8 RJ45	.70000860	.70000861
Digi PortServer 16 RJ45	.70000858	.70000859
Digi PortServer II 16 RJ45	.70000901	.70000902
Digi RJ45/DB24M Sync shielded cable for frame relay use	.76000252	.76000252
Additional PORTS and Modem Modules		
Digi PORTS/8em RJ45	.76000122	.76000122
Digi PORTS/8emp RJ45	.76000123	.76000123
Digi PORTS/16em RJ45	.76000074	.76000074
Digi Modem 4em	.76000191	.76000191
Digi Modem 8em	.76000190	.76000190

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GSA: GS-35F-3395D.



Digi's PortServer is a Clear Price/Performance Leader in TCP/IP Terminal/Communications Servers.

PortServer

The PortServer is Digi's entry level terminal server that connects clusters of eight or 16 high speed serial ports to TCP/IP Ethernet networks. Each surge protected serial port provides full modem control and hardware flow control with up to 57.6 Kbps performance.

Wide Range of Applications

The Digi PortServer is ideal for connecting cash registers to a host in point-of-sale applications, or for connecting terminals in database applications such as travel reservations and information services. In remote access environments, such as those using Novell's NetWare Connect, PortServer modem connections are made via RealPort's AIO NetWare Loadable Module (NLM). In heterogeneous networks, the serial ports on the PortServer can be shared by different hosts and different operating systems running TCP/IP.

Real TTY Devices

Digi's unique RealPort software can be installed on each host server to provide local serial port functionality. Conventional terminal servers must use Telnet and Rlogin to interface to pseudo-TTY devices that only emulate real TTYs. Although the PortServer also supports Telnet, Rlogin and pseudo-TTYs, the PortServer's RealPort software can be used to provide standard system TTY interfaces to control baud rate, parity, stop bits, and flow control of local serial ports. Any application that works with attached serial port works immediately and seamlessly with the Digi PortServer.

- Connect any combination of terminals, modems or printers to the network
- RealPort software can be installed on each server to provide local serial port functionality
- Ports may be shared between different hosts running different operating systems

Updatable Firmware

The PortServer firmware resides in ROM and can be easily updated by downloading new versions from a network attached host via TFTP (Trivial File Transfer Protocol). This feature makes it easy to keep your network up to date.

Security

Digi PortServer firmware supports password access protection for each individual port to ensure the integrity of the system. It allows the system administrator to set up password protected accounts with a variety of privilege levels, so user access to systems on the network can be controlled as needed.

Diagnostics and Management

The Digi PortServer front panel displays the information a system administrator needs to monitor both asynchronous and Ethernet line activity. LED indicators display all RS-232 signal conditions, plus input and output flow control status for any port, making it easy to check the status of any attached device. LEDs also display serial activity on the Ethernet line, transmitted and received Ethernet packet activity and twisted pair integrity. Network management, using industry standard SNMP with MIB II, is also supported.

