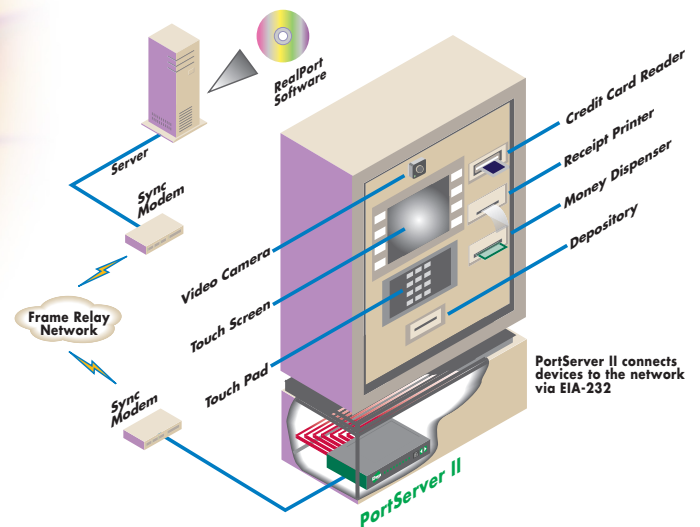# PortServer® II

Terminal Server

The PortServer II family provides versatile, expandable serial to ethernet connectivity. The EIA-232 serial ports can be configured as asynchrocnous ports or synchronous WAN ports.

Features/Benefits

> **16 individual EIA-232 serial ports can be configured for asynchronous or synchronous WAN transmissions (56Kbps)**

> **Expandable to 64 serial ports by attaching PORTS modules**

> **LAN-to-LAN routing ideal for distributed workgroups or retail point-of-sale applications**

> **RealPort drivers for Windows and UNIX provide local COM port and TTY functionality**

> **No Sun break issues**

> **Support for Rlogin, Telnet and Reverse Telnet on each port**

> **Simple Network Management Protocol (SNMP) MIB-II support**

> **Digi Port Authority - Remote for Monitoring**

Overview

The Digi PortServer II has been a workhorse terminal server for may years. It comes in 16-port desktop and 16-port rack mount versions, each of which can be expanded up to 64 ports using Digi PORTS Modules.

The PortServer II is an ideal solution for retail, industrial automation, process/quality control or any application that requires the connection of multiple serial ports over Ethernet. It has long been used for console management of servers, routers, hubs, and switches.

The PortServer II supports dial-up and LAN-to-LAN connections for TCP/IP remote access to your corporate LAN or the internet over Fram Relay and analog lines.

Digi RealPort drivers provide local serial port functionality, TTY for UNIX and COM ports for Windows, as well as incoming and outgoing Rlogin and Telnet sessions on each port. The Digi Port Authority-Remote provides monitoring and graphing of network and serial activity.

Digi International, the leader in Connectware, makes device networking easy by developing products and technologies that are cost-effective and easy to use. With over 20 million ports shipped worldwide, Digi has been offering the highest levels of performance, flexibility, and quality since 1985.

Digi®

Connectware™

www.digi.com

Making **DEVICE NETWORKING** *easy*™

Features/Specifications

FEATURES

PortServer II
- Connects to 10 Mbps Ethernet LAN
- Telnet, Reverse Telnet, Rlogin and auto connect support
- Ports may be shared by multiple hosts running different operating systems
- Full modem and hardware flow control
- LED line status indicators for processor, serial and Ethernet activity
- Supports up to 64 alternate IP addresses
- Up to nine Telnet or Rlogin sessions per port
- Supports RARP allowing for IP configuration
- Easily upgradeable firmware via TFTP or BOOTP
- Save/Restore configuration to host
- Password access security
- SNMP management
- 256K EPROM non-volatile memory
- 16 ports expandable to 64

- 115.2 Kbps throughput on asynchronous ports
- 56Kbps on synchronous WAN ports
- 4 MB RAM
- LAN-to-LAN routing with RIP
- PPP, SLIP and CSLIP dial-up protocols
- Password access, PAP, CHAP and RADIUS security
- Dynamic IP or static addressing for dial-in users
- SNMP MIB-II plus Character RS 232, PPP and LCP MIB management
- External logging and tracking
- Local and remote session logging
- IP packet filtering
- 2 MB non-volatile flash RAM
- Automatic IP configuration through RARP and BOOTP
- Line Printer Daemon support (LPD)
- 19" 1U Rack Mount Model
- Sun Break Safe

ENVIROMENTAL
- Ambient temperature: 10° C to 55° C (50° F TO 130° F)
- Relative humidity: 5% to 90% (non-condensing)
- Altitude: 0 to 3,660 meters (0 to 12,000 feet)

CONNECTORS

Ethernet PortServer and PortServer II
- 10Base-T
- 10Base-2

Ethernet PortServer II Rack
- 10Base-T

REGULATORY APPROVALS

PortServer II and PortServer II Rack
- FCC Part 15, Class B
- EN55022, Class B
- AS3548
- EN50082-2
- EN 60950
- UL 1950
- CSA 22.2 No 950

POWER REQUIREMENTS

PortServer II
- External 43 W, 100-250 VAC, 50/60 Hz power supply

PortServer II Rack
- Internal 43 W, 100-250 VAC, 50/60 Hz power supply

OPERATING SYSTEMS
- Microsoft® Windows 2000
- Microsoft Windows NT®
- Microsoft Windows XP®
- Microsoft Windows Server 2003
- AIX
- HP-UX
- Linux
- SCO® OpenServer™
- SCO UnixWare™
- Solaris™(Intel)
- Solaris (SPARC)

MODEL......................PART NUMBERS

Model	North America	International
Digi PortServer II 16	70000901	70000902
Digi PortServer II 16 Rack	70001755	70001756
PORTS Modules (for expansion) and accessories for PortServer II		
Digi PORTS/8em Module RJ-45	76000122	76000122
Digi PORTS/16em Module RJ-45	76000074	76000074
Digi PORTS/16em Module 422 DB-25	76000535	76000535
Digi PortServer II 16em Module Rack Mount RJ-45	76000617	76000617
Digi RJ-45/DB-25M Sync shielded cable for Frame Relay use	76000252	76000252

REALPORT SOFTWARE
- Local emulation of UNIX TTY and Microsoft COM ports
- Transparent printing under UNIX
- Single TCP/IP connection per 16 port block reduces Ethernet traffic and minimizes host CPU utilization

DIGI SERVICE AND SUPPORT

You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty.   http://support.digi.com