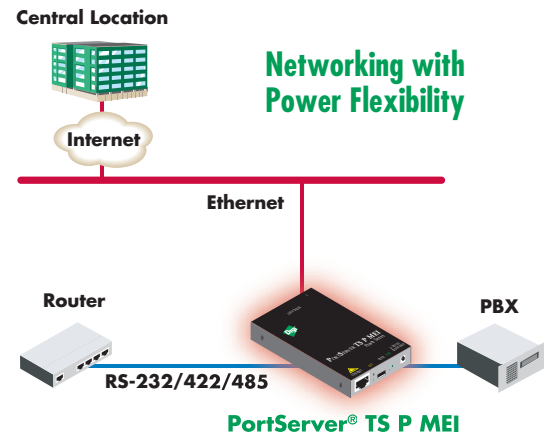


PortServer® TS P MEI

Serial Server Power Series



The PortServer TS P MEI power series is designed for universal, high-performance serial-to-Ethernet connectivity with versatile powering options. It is ideal for RS-232/422/485 applications that require powered Ethernet, powered serial or other traditional power alternatives.



Features/Benefits

- Easily network-enable multiple serial devices
- RS-232/422/485 for simple interfacing to virtually any type of serial device
- Supports Power Over Ethernet (802.3af, end-span and mid-span) or powered serial for versatile and redundant powering options
- Patented RealPort with encryption for COM or TTY port control and management
- Management and diagnostic utility for simple and efficient device monitoring and troubleshooting
- Modem emulation for easy integration and replacement of modems
- Secure communication via SSHv2
- Port buffering for data capture
- Easy configuration through web interface (HTTP/HTTPS)
- Tunable for low latency or optimized throughput

Overview

The PortServer TS P MEI Power Series makes it easy to connect RS-232/422/485 serial devices to an IP network. By supporting versatile powering options like powered Ethernet and powered serial, PortServer TS P MEI can adapt to many applications where traditional power alternatives are required.

Available in one-, two- and four-port versions, PortServer TS P MEI delivers universal, high-performance multiport serial-to-Ethernet connectivity. It is ideal for applications requiring COM ports, serial tunneling, or where TCP/UDP Socket functionality is needed. Digi's patented RealPort® with encryption makes it possible to establish a connection between the host and networked serial device by creating a local COM or TTY port on the host computer, allowing software applications to work with networked device servers instead of requiring a host adapter.

PortServer TS P MEI offers flexible powering options over Ethernet and serial. Powered Ethernet (802.3af, mid- and end-span support) makes it possible to run just one Ethernet cable to the device server for both power and communications. The powered serial feature enables PortServer TS P MEI to power a device over serial using Ring Indicator (RI) or DTR pins, or it can be powered itself using RI (Port 1 only). Each power feature is available in addition to a traditional power connector, and can serve as redundant power in case of an outage from either source.

PortServer TS P MEI is easy to install locally or remotely through a variety of IP addressing methods (DHCP, RARP, ARP-Ping) along with an application included on the installation CD that will automatically detect all PortServer TS P MEI devices on the network.

Features/Specifications

FEATURES

- 10/100Base-T Ethernet support
- RJ-45 serial port connection
- RS-232/422/485 switch selectable
- Baud rates up to 230 Kbps
- Full modem and hardware flow control
- TCP/UDP Socket Services
- Telnet and Reverse Telnet
- Patented RealPort with encryption for COM and TTY ports
- 9-30VDC input
- 802.3af powered Ethernet (mid- and end-span)
- Powered serial (in/out)
- RFC 2217
- Modem emulation
- SNMP (read/write)
- PPP
- SSHv2
- Port buffering
- Modbus to Modbus/TCP conversion
- HTTP
- Digi Port Authority – Remote management diagnostics and auto-discovery tool
- DHCP/RARP/ARP-Ping for IP Address assignment
- LED status for link and power
- RJ-45/DB-9F crossover cable included for optional serial configuration

DIMENSIONS

- Length: 5.25 in (13.34 cm)
- Width: 3.33 in (8.46 cm)
- Depth: 0.95 in (2.42 cm)
- Weight: 2.25 oz (64.00 g)

MODEL.....PART NUMBERS

Model	North America	International
PortServer TS 1 P MEI	70002314	70001991
PortServer TS 2 P MEI	70002315	70001992
PortServer TS 4 P MEI	70002316	70001993
Accessories		
Replacement Power Supply (wall mount, locking connector)	76000735	N/A
Replacement Power Supply (brick, locking connector)	N/A	76000734
Wall Mount Bracket	76000640	76000640
DIN Rail Bracket	76000756	76000756

OPERATING SYSTEMS

- AIX
- HP-UX
- Linux
- Windows® XP, Windows 2000
- Windows NT®, Windows Vista, Windows 98/ME
- SCO® OpenServer™
- SCO UnixWare™
- Solaris™ (Intel)
- Solaris (SPARC)
- TCP/UDP Socket Services are operating system independent

ENVIRONMENTAL

- Operating temperature: 0° C to 50° C (32° F to 122° F)
- Relative humidity: 5% to 90% (non-condensing)
- Ethernet isolation: 1500VAC min per IEEE 802.3/ANSI x 3.263
- Serial Port Protection (ESD): 15 kV air and 8 kV contact

REGULATORY APPROVALS

- FCC Part 15, A
- CE
- 55024
- 55022, Class A
- UL 1950
- CSA 22.2 No 950



POWER REQUIREMENTS

- Power supply included
- North America**
12VDC/.5A max out; 120VAC in
- International**
12VDC/.5A max out; 100-240VAC in
- Product will accept 9-30VDC
- Power consumption
 - 4W typical; 6W max
- Surge protection (w/ incl. power supply)
 - 4 kV burst (EFT); 2 kV surge

Powered Ethernet

- Ethernet Power, IEEE 802.3af compliant, pins 4/5(+) and 7/8(-)
- 4 kV burst (EFT) per 1000-4-4
- 2 kV surge per EN61000-4-5

Serial Power Input

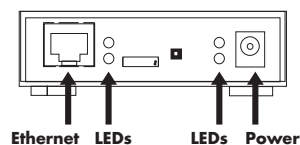
- DC input connector, 9-30VDC, 525 mA max
- Serial Port 1, Pin 1 (RI), 9-30VDC, 525 mA max

Serial Power Output

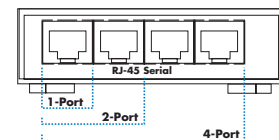
- Available on all serial ports
- 1 watt available power with selectable voltage level
- Pin 1 (RI) 5VDC up to 200 mA max
- Pin 9 (DTR) 9VDC up to 100 mA max



PortServer TS P Family - Front



PortServer TS P Family - Back



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. www.digi.com/support

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Digi International

11001 Bren Road E.
Minnetonka, MN 55343
U.S.A.
PH: 877-912-3444
952-912-3444
FX: 952-912-4952
email: info@digi.com

Digi International France

31 rue des Poissonniers
92200 Neuilly sur Seine
PH: +33-1-55-61-98-98
FX: +33-1-55-61-98-99
www.digi.fr

Digi International KK

NES Building South 8F
22-14 Sakuragaoka-cho,
Shibuya-ku
Tokyo 150-0031, Japan
PH: +81-3-5428-0261
FX: +81-3-5428-0262
www.digi-intl.co.jp

Digi International (HK) Limited

Suite 1703-05, 17/F,
K Wah Centre
191 Java Road
North Point, Hong Kong
PH: +852-2833-1008
FX: +852-2572-9989
www.digi.cn

Digi International, the leader in device networking for business, develops reliable products and technologies to connect and securely manage local or remote electronic devices over the network or via the web. With over 20 million ports shipped worldwide since 1985, Digi offers the highest levels of performance, flexibility and quality.

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