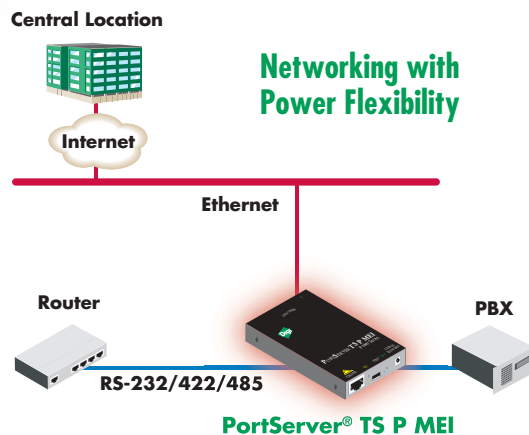


PortServer® TS P MEI

Device 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.



*MEI = Multi-Electrical Interface (RS-232/422/485)

Features/Benefits

- > Easily network-enable multiple serial devices
- > RS-232/422/485 for simple interfacing to virtually any type of serial device
- > Supports powered Ethernet 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)
- > SNMP for easy network management PPP for network enabling serial device
- > 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.

Digi International 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.



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
- UDP Multicast
- 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
- Low latency
- 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	70001988	70001991
PortServer TS 2 P MEI	70001989	70001992
PortServer TS 4 P MEI	70001990	70001993
Accessories		
Replacement Power Supply (wall mount)	76000737	N/A
Replacement Power Supply (small brick)	76000654	76000654
Wall Mount Bracket	76000640	76000640
DIN Rail Bracket	76000682	76000682

OPERATING SYSTEMS

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



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 (wall mount)
- **International**
12VDC/.5A max out; 100-240VAC in (small brick)
- Product will accept 9-30VDC
- Power Consumption
 - Typical: 4W
 - Max: 6W
- Surge Protection (with included 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

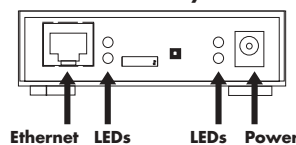
- DC input connector, 9-30VDC, 525 mA max
- Serial Port 1, Pin 1 (RI), 9-30VDC, 525 mA max

Serial Power Output

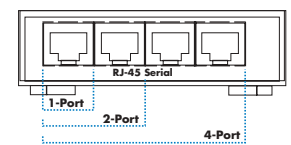
- Available on all serial ports
- 1 watt available power with selectable voltage level
- Pin 1 (RI) 5VDC up to 200 mA max
- Pin 9 (DTR) 9VDC up to 100 mA max



PortServer TS Family - Front



PortServer TS 1/2/4 - 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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