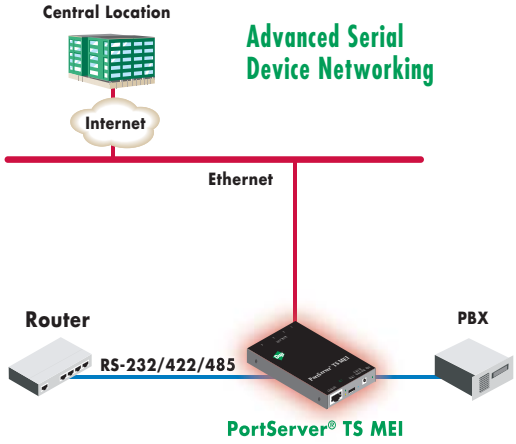
PortServer® TS MEI

Device Server

PortServer TS MEI* device servers are designed for universal, high-performance serial-to-Ethernet connectivity. They are ideal for RS-232/422/485 applications where remote device management and monitoring are required.



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

Features/Benefits

- > Easily network-enable multiple serial devices
- > Switch selectable RS-232/422/485 for simple interfacing to virtually any type of serial device
- > Digi's patented RealPort for COM or TTY port control and management
- > Management and diagnostic utility for simple and efficient device monitoring and troubleshooting
- > Modem emulation allows the device server to function as a modem
- > Secure communication via SSH v2
- > Port buffering for data capture
- > Easy configuration through web interface (HTTP/HTTPS)
- > SNMP for easy network management
- > PPP support
- > Tunable for low latency or optimized throughput

Overview

The PortServer TS MEI adds switch-selectable RS-232/422/485 serial port connectivity to the standard PortServer TS family, making it easy to connect multiple serial devices to yournetwork. It combines the inherent benefits of data networking with proven asynchronous connectivity to deliver powerful yet simple Ethernet connections for all of your serial devices.

PortServer TS MEI is ideal for applications requiring COM ports, serial tunneling, or where TCP Socket, UDP Socket, or UDP Multicast functionality is needed. RealPort®, with encryption and user authentication*, 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 MEI also delivers powerful features such as data security via SSH v2, port buffering and full SNMP management – making it ideal for applications like console management where device management and monitoring are critical.

PortServer TS MEI is also 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 MEI devices on your 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.

*RealPort's encryption feature works with the following operating systems; AIX, HP UX, Linux, Windows XP, Windows 2000, Windows Server 2003, SCO OpenServer and Solaris. RealPort's authentication feature is compatible only with Windows XP, Windows 2000 and Windows Server 2003.

Features/Specifications

FEATURES

- 10/100Base-T Ethernet support
- 1/2/4 RJ-45 serial ports
- Switch-selectable RS-232/422/485
- 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
- RFC 2217
- Modem emulation
- SNMP (read/write)
- PPP
- SSH v2
- Port buffering
- Low latency
- Modbus to Modbus/TCP conversion
- HTTP/HTTPS
- 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)

OPERATING SYSTEMS

- AIX
- HP-UX
- Linux
- Windows® XP
- Windows Server™ 2003*
- Windows 2000
- Windows NT®
- 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 60° C (32° F to 140° 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 6 AP and +8 kV contact discharge per IEC 1005-4-2

REGULATORY APPROVALS

- FCC Part 15, A
- CE
- 55034
- 55022, Class A
- UL 1950
- CSA 22.2 No. 950

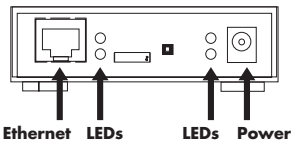
POWER REQUIREMENTS

- Ships with 100/240VAC at 12VDC @ 0.4 Amps max
- 9-30VDC @ 0.5 Amps max
- Surge protection (with included power supply)
  - 4 kV burst (EFT) per EN61000-4-4
  - 2 kV surge per EN61000-4-5

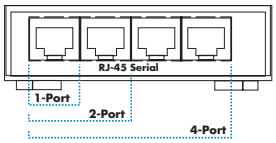
MODEL.....PART NUMBERS

Model	North America	International
PortServer TS 1 MEI	70001805	70001832
PortServer TS 2 MEI	70001806	70001833
PortServer TS 4 MEI	70001807	70001834
Accessories		
Wall Mount Bracket	76000640	76000640
DIN Rail Bracket	76000682	76000682
Power Supply	76000688	76000654

PortServer TS Family - Front



PortServer TS 1/2/4 - Back



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