

PortServer® TS MEI

Serial Servers

Universal, high-performance RS-232/422/485 serial to Ethernet connectivity.



Overview

PortServer TS MEI provides switch-selectable RS-232/422/485 serial port connectivity, making it easy to connect multiple serial devices to your network. 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.

Digi's patented 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.

Powerful features including data security via SSHv2, port buffering and full SNMP management, making PortServer TS MEI ideal for applications like console management where device management and monitoring are critical.

*RealPort's encryption feature is compatible with 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.

Target Applications



Security

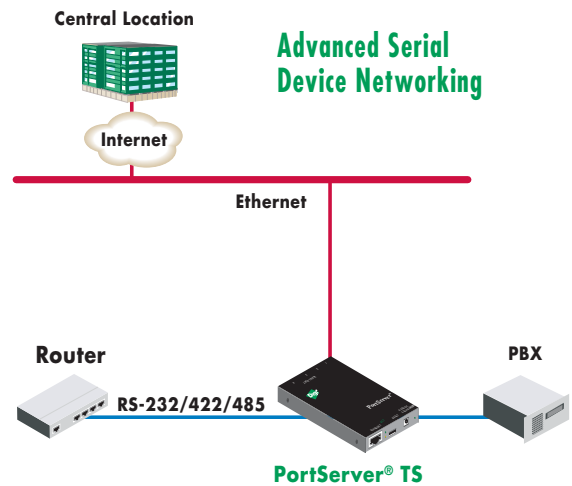


Retail/POS



Medical/Healthcare

Application Highlight



Features/Benefits

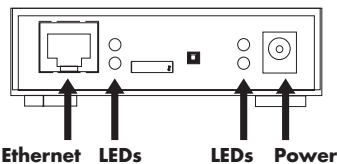
- 1, 2 or 4 switch-selectable RS-232/422/485 serial ports to connect virtually any type of serial device over Ethernet
- Ideal for applications requiring COM ports, serial tunneling, TCP/UDP socket or multiple unicast functionality
- Patented RealPort for COM/TTY port control and management
- Modem emulation
- Monitoring and diagnostic utility
- Secure communication via SSHv2
- Tunable for low latency or optimized for throughput
- Easy web-based configuration (HTTP/HTTPS)



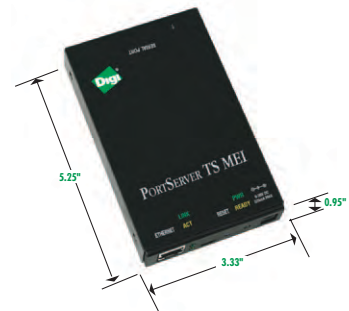
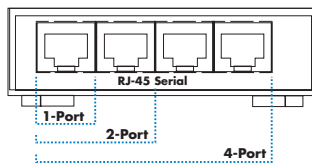
www.digi.com

| Specifications | PortServer® TS 1 MEI | PortServer® TS 2 MEI | PortServer® TS 4 MEI |
|------------------------------|---|---|---|
| Features | | | |
| Management | HTTP/HTTPS, CLI, SNMP (read/write), Digi Port Authority - Remote management diagnostics and auto-discovery tool | | |
| Protocols | UDP/TCP, DHCP/RARP/ARP-Ping for IP Address assignment, Extended Telnet RFC 2217, Telnet, PPP Reverse Telnet, Modbus to Modbus/TCP protocol conversion support, Reverse SSH | | |
| Software | Device-initiated patented RealPort® COM port redirector | | |
| Status LEDs | Link, Activity, Power, Status | | |
| Dimensions (L x W x D) | 5.25 in x 3.33 in x 0.95 in (13.34 cm x 8.46 cm x 2.42 cm) | | |
| Weight | 2.25 oz (64.00 g) | | |
| Security | SSHv2, SSL/TLS | | |
| Operating Systems | AIX, HP-UX, Linux®, SCO® OpenServer™ 5, SCO® OpenServer™ 6, Solaris™ Intel, Solaris™ SPARC, Windows XP®, Windows Server® 2003, Windows Server® 2008, Windows Vista® Note: TCP/UDP Socket Services are operating system independent | | |
| Other | Full modem and hardware flow control, Modem emulation, Port buffering, RJ-45/DB-9F crossover cable included for optional serial configuration | | |
| Interfaces | | | |
| Serial | | | |
| Ports | 1 RS-232/422/485 RJ-45 (switch selectable); Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD | 2 RS-232/422/485 RJ-45 (switch selectable); Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD | 4 RS-232/422/485 RJ-45 (switch selectable); Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD |
| Ethernet | | | |
| Ports | 1 RJ-45 10/100 Mbps 10/100Base-T (auto-sensing); Full or half duplex | | |
| Power Requirements | | | |
| Power Input | 9-30VDC with locking barrel power connector | | |
| Power Supply (Included) | North America: 12VDC/.5A max out; 120VAC in (wall mount); International: 12VDC/.5A max out; 100-240VAC in (small brick) | | |
| Power Supply | 12VDC extended temperature power supply sold separately | | |
| Power Consumption | Typical: 4 W; Max: 6 W | | |
| Surge Protection | 4 kV burst (EFT) per EN61000-4-4, 2 kV surge per EN61000-4-5 | | |
| Environmental | | | |
| Operating Temperature | 0° C to +60° C (32° F to 140° F) | | |
| Storage Temperature | -40° C to +85° C (-40° F to +185° F) | | |
| Relative Humidity | 5% to 95% (non-condensing) | | |
| Ethernet Isolation | 1500VAC min per IEEE802.3/ANSI X3.263 | | |
| Serial Port Protection (ESD) | +15 kV air 6 AP and +8 kV contact discharge per IEC 100-4-2 | | |
| Regulatory Approvals | | | |
| Safety | UL/CUL 60950, IEC 60950 & CB | | |
| Emissions/Immunity | CE, FCC Part 15 (Class A), EN55024, EN55022 Class A, AS/NZS 3548, CISPR 22, VCCI V-3/99.05 | | |

PortServer TS MEI Family - Front



PortServer TS MEI Family - Back



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