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.
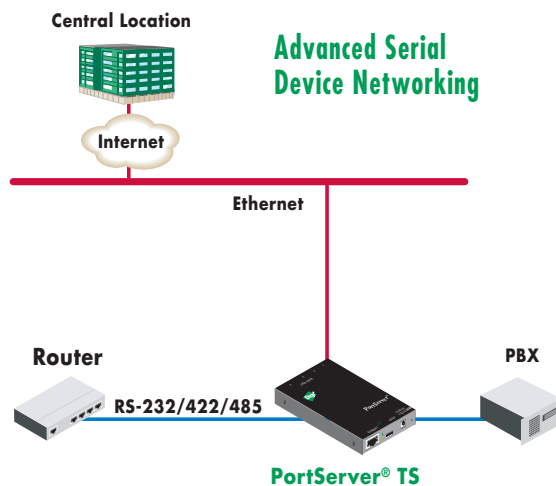
Target Applications

Security

Retail/POS

Medical/Healthcare

Application Highlight

Central Location

Advanced Serial Device Networking

Internet

Ethernet

Router

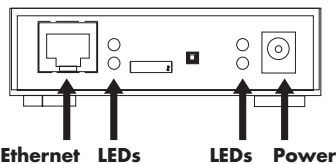RS-232/422/485

PBX

PortServer® TS

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/UPD 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**
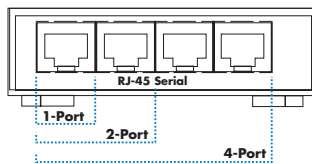- **Easy web-based configuration (HTTP/HTTPS)**

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/UPD 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

Ethernet   LEDs   LEDs   Power

PortServer TS MEI Family - Back

RJ-45 Serial
1-Port
2-Port
4-Port

5.25"
0.95"
3.33"

Visit www.digi.com for part numbers.