DIGI

PORTSERVER® TS MEI

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

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.

*The RealPort encryption feature is compatible with AIX, HP-UX, Solaris, Linux, Windows 2000, Windows XP, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2003, Windows Server 2008 and Windows Server 2012. The RealPort authentication feature is compatible only with Windows 2000, Windows XP, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2003, Windows Server 2008 and Windows Server 2012.

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 sockets, 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)
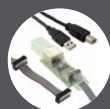
RELATED PRODUCTS

PortServer®
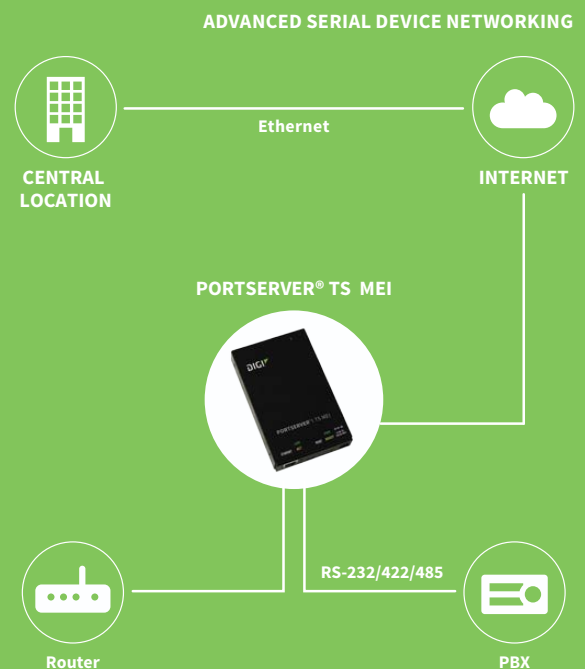TS

PortServer®
TS MEI
Hardened

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ConnectPort®
TS

Cables and
Accessories

APPLICATION EXAMPLE

ADVANCED SERIAL DEVICE NETWORKING

CENTRAL LOCATION — Ethernet — INTERNET

PORTSERVER® TS MEI

Router — RS-232/422/485 — PBX

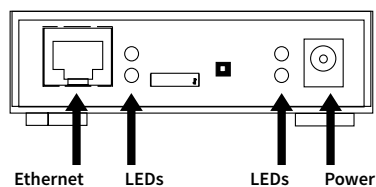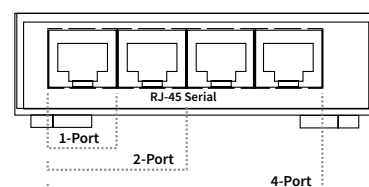| SPECIFICATIONS	PortServer® TS 1 MEI	PortServer® TS 2 MEI	PortServer® TS 4 MEI
FEATURES			
MANAGEMENT	HTTP/HTTPS, CLI, SNMP (read/write), Digi Port Authority - Remote management diagnostics and auto-discovery tool		
PROTOCOLS	UDP/TCP, DHCP/RARP/ARP-Ping for IP Address assignment, Extended Telnet RFC 2217, Telnet, PPP, Reverse Telnet, Modbus to Modbus/TCP protocol conversion support, Reverse SSH		
SOFTWARE	Supports Digi's 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, Solaris, Linux®, Windows® 2000, Windows® XP, Windows® 7, Windows® 8, Windows® 8.1, Windows® 10, Windows Server® 2003, Windows Server® 2008, Windows Server® 2012. Note: TCP/UDP socket services are operating system independent		
OTHER	Full modem and hardware flow control, Modem emulation, Port buffering, RJ45-DB-9F console adapter included for optional serial configuration		
INTERFACES			
SERIAL			
PORTS	1 RS-232/422/485 RJ-45 (switch select-able); Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD	2 RS-232/422/485 RJ-45 (switch select-able); Up to 230 Kbps throughput; Signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD	4 RS-232/422/485 RJ-45 (switch select-able); 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	9-30 VDC with locking barrel power connector		
POWER SUPPLY (INCLUDED)	12 VDC/a.5A max out; 100-240 VAC 50-60 Hz in (wall mount)		
POWER SUPPLY	12 VDC extended temperature power supply sold separately		
POWER CONSUMPTION	Typical: 4 W; Max: 6 W		
PRODUCT SURGE PROTECTION (ESD)	4 kV burst (EFT) per EN61000-4-4, 2 kV surge transient 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	1500 VAC min per IEEE802.3/ANSI X3.263		
SERIAL PORT PROTECTION (ESD)	15 kV human body model		
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

PART NUMBERS	DESCRIPTION
70001805	PortServer TS 1 MEI (Worldwide)
70001806	PortServer TS 2 MEI (Worldwide)
70001807	PortServer TS 4 MEI (Worldwide)

For a full list of accessories, visit www.digi.com

FOR MORE INFORMATION
PLEASE VISIT WWW.DIGI.COM

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