

RS-232/422/485 SWITCH  
SELECTABLE EXPANSION  
FOR ASYNCHRONOUS  
CONNECTIVITY



# 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.

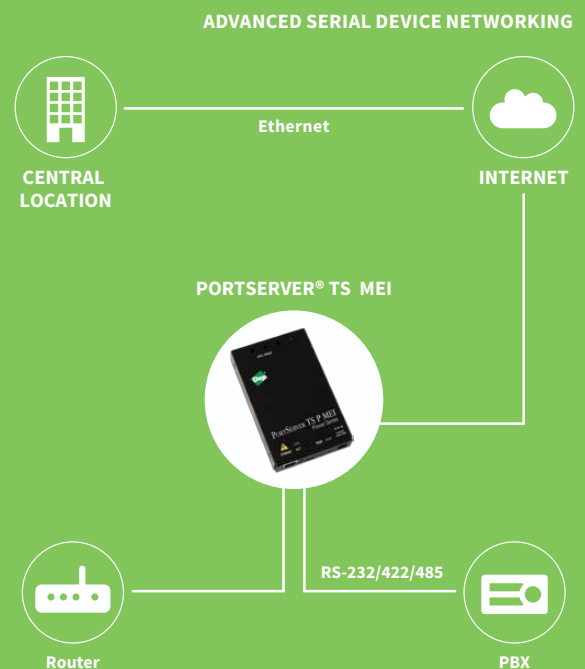
Powerful features including data security via SSHv2, port buffering and full SNMP management, making PortServer TS MEI ideal for applications like console management where device management and monitoring are critical.

\*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)

## APPLICATION EXAMPLE



## RELATED PRODUCTS



PortServer®  
TS



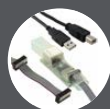
PortServer®  
TS MEI  
Hardened



PortServer®  
TS M MEI



ConnectPort®  
TS



Cables and  
Accessories

# SPECIFICATIONS

PortServer® TS 1 MEI

PortServer® TS 2 MEI

PortServer® TS 4 MEI

## FEATURES

<b>MANAGEMENT</b>	HTTP/HTTPS, CLI, SNMP (read/write), Digi Port Authority - Remote management diagnostics and auto-discovery tool
<b>PROTOCOLS</b>	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
<b>SOFTWARE</b>	Supports Digi's Realport® COM port redirector
<b>STATUS LEDS</b>	Link, Activity, Power, Status
<b>DIMENSIONS (L X W X D)</b>	5.25 in x 3.33 in x 0.95 in (13.34 cm x 8.46 cm x 2.42 cm)
<b>WEIGHT</b>	2.25 oz (64.00 g)
<b>SECURITY</b>	SSHv2, SSL/TLS
<b>OPERATING SYSTEMS</b>	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
<b>OTHER</b>	Full modem and hardware flow control, Modem emulation, Port buffering, RJ45-DB-9F console adapter included for optional serial configuration

## INTERFACES

### SERIAL

<b>PORTS</b>	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
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### ETHERNET

<b>PORTS</b>	1 RJ-45 10/100 Mbps 10/100Base-T (auto-sensing); Full or half duplex
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## POWER REQUIREMENTS

<b>POWER INPUT</b>	9-30 VDC with locking barrel power connector
<b>POWER SUPPLY (INCLUDED)</b>	North America: 12 VDC/.5A max out; 120 VAC in (wall mount); International: 12 VDC/.5A max out; 100-240 VAC in (small brick)
<b>POWER SUPPLY</b>	12 VDC extended temperature power supply sold separately
<b>POWER CONSUMPTION</b>	Typical: 4 W; Max: 6 W
<b>PRODUCT SURGE PROTECTION (ESD)</b>	4 kV burst (EFT) per EN61000-4-4, 2 kV surge transient per EN61000-4-5

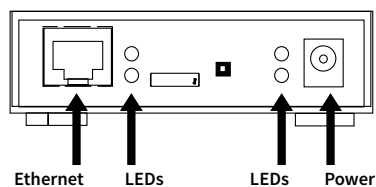
## ENVIRONMENTAL

<b>OPERATING TEMPERATURE</b>	0° C to +60° C (32° F to 140° F)
<b>STORAGE TEMPERATURE</b>	-40° C to +85° C (-40° F to +185° F)
<b>RELATIVE HUMIDITY</b>	5% to 95% (non-condensing)
<b>ETHERNET ISOLATION</b>	1500 VAC min per IEEE802.3/ANSI X3.263
<b>SERIAL PORT PROTECTION (ESD)</b>	15 kV human body model

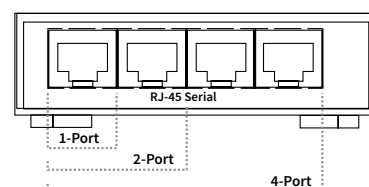
## REGULATORY APPROVALS

<b>SAFETY</b>	UL/CUL 60950, IEC 60950 & CB
<b>EMISSIONS/IMMUNITY</b>	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



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