

SERIAL SERVER –  
POWER SERIES



# PORTSERVER® TS P MEI

Universal, high-performance RS-232/422/485 serial to Ethernet connectivity with versatile powering options

PortServer TS P MEI makes it easy to connect RS-232/422/485 serial devices to an IP network. By supporting versatile powering options like power over Ethernet and serial port power, this serial server can adapt to many applications where traditional power options are not available.

Power over Ethernet (802.3af, mid- and end-span support) makes it possible to run just one Ethernet cable to the device server for both power and communications. The serial port power feature enables PortServer TS P MEI to power a device over serial using Ring Indicator (RI) or DTR pins. Power over Ethernet can be used in conjunction with a conventional power supply to provide redundant power capability to the device.

Available in two- and four-port versions, PortServer TS P MEI delivers universal, high performance multiport serial-to-Ethernet connectivity. It is ideal for applications requiring COM ports, serial tunneling, or where TCP/UDP Socket functionality is needed.

\*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

- 2 or 4 switch-selectable RS-232/422/485 serial ports to connect virtually any type of serial device over Ethernet
- Supports power over Ethernet (802.3af, end-span and mid-span) or serial port power for versatile and redundant powering options
- Patented RealPort® for COM/TTY port control and management
- Modem emulation allows the device server to appear as a modem to an attached device
- Monitoring and diagnostic utility
- Secure communication via SSHv2

## RELATED PRODUCTS



PortServer®  
TS MEI



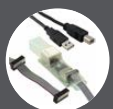
PortServer®  
TS



PortServer®  
TS MEI  
Hardened

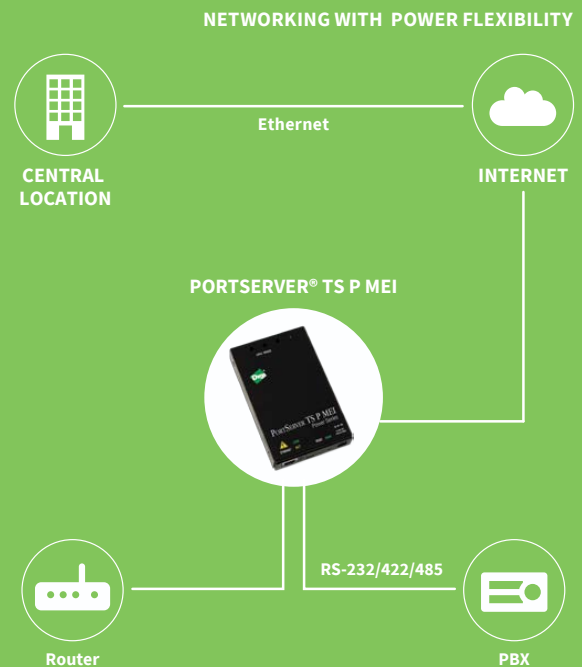


Digi One®  
SP



Cables and  
Accessories

## APPLICATION EXAMPLE



## SPECIFICATIONS

## PortServer® TS 2 P MEI

## PortServer® TS 4 P 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, PPP, Extended Telnet RFC 2217, Telnet, Reverse Telnet, Modbus to Modbus/TCP protocol conversion support	
<b>SOFTWARE</b>	Supports Digi's Realport® COM port redirector	
<b>SECURITY</b>	SSHv2, SSH/TLS	
<b>STATUS LEDS</b>	Link, Activity, Power, Status	
<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>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>OTHER</b>	802.3af powered Ethernet (mid- and end-span); 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>	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
<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 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
<b>POWERED ETHERNET</b>	Ethernet Power, IEEE 802.3af compliant, pins 4/5(+) and 7/8(-); 4 kV burst (EFT) per 1000-4-4; 2 kV surge per EN61000-4-5
<b>SERIAL POWER INPUT</b>	DC input connector, 9-30 VDC, 525 mA max; Serial Port 1, Pin 1 (RI), 9-30 VDC, 525 mA max
<b>SERIAL POWER OUTPUT</b>	Available on all serial ports; 1 watt available power with selectable voltage level; Pin 1 (RI) 5VDC up to 200 mA max; Pin 9 (DTR) 9VDC up to 100 mA max

### 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 90% (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

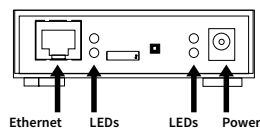
<b>SAFETY</b>	UL/CUL60950, IEC60950 & CB
<b>EMISSIONS/IMMUNITY</b>	CE, FCC Part 15 (Class A), EN55024, EN55022 Class A, AS/NZS 3548, VCCI V-3/99.05

## PART NUMBERS

## DESCRIPTION

70001992	PortServer TS 2 P MEI (mid- and end-span PoE) (International)
70001993	PortServer TS 4 P MEI (mid- and end-span PoE) (International)
70002315	PortServer TS 2 P MEI (mid- and end-span PoE)
70002316	PortServer TS 4 P MEI (mid- and end-span PoE)

PORTSERVER TS P MEI - FRONT



PORTSERVER TS P MEI - BACK

