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
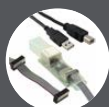
– Secure communication via SSHv2

APPLICATION EXAMPLE

NETWORKING WITH POWER FLEXIBILITY

Ethernet

CENTRAL LOCATION

INTERNET

PORTSERVER® TS P MEI

RS-232/422/485

Router

PBX

RELATED PRODUCTS

PortServer®
TS MEI

PortServer®
TS

PortServer®
TS MEI
Hardened

Digi One®
SP

Cables and
Accessories
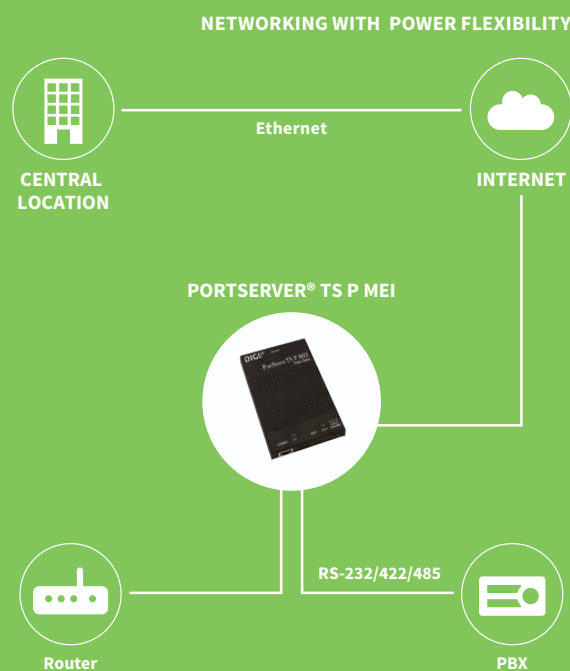
SPECIFICATIONS	PortServer® TS 2 P MEI	PortServer® TS 4 P MEI
FEATURES		
MANAGEMENT	HTTP/HTTPS, CLI, SNMP (read/write), Digi Port Authority-Remote management diagnostics and auto-discovery tool	
PROTOCOLS	UDP/TCP, DHCP/RARP/ARP-Ping for IP Address assignment, PPP, Extended Telnet RFC 2217, Telnet, Reverse Telnet, Modbus to Modbus/TCP protocol conversion support	
SOFTWARE	Supports Digi's Realport® COM port redirector	
SECURITY	SSHv2, SSH/TLS	
STATUS LEDS	Link, Activity, Power, Status	
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	
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)	
OTHER	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		
PORTS	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	9-30 VDC	
POWER SUPPLY (INCLUDED)	North America: 12 VDC/.5A max out; 120 VAC in (wall mount); International: 12 VDC/.5A max out; 100-240 VAC in (small brick)	
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	
POWERED ETHERNET	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	
SERIAL POWER INPUT	DC input connector, 9-30 VDC, 525 mA max; Serial Port 1, Pin 1 (RI), 9-30 VDC, 525 mA max	
SERIAL POWER OUTPUT	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		
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 90% (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/CUL60950, IEC60950 & CB	
EMISSIONS/IMMUNITY	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)

PORTSERVER TS P MEI - FRONT

Ethernet   LEDs   LEDs   Power

PORTSERVER TS P MEI - BACK

RJ-45 Serial

2-Port
4-Port

DIGI

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Authorized Distributor

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