PortServer® TS H^{cc} MEI

Hardened Serial Servers

Serial-to-Ethernet connectivity for traffic management applications requiring extended vibration, temperature and moisture tolerance.

Overview

PortServer TS H^{cc} MEI is designed to meet the unique specifications required for use in traffic management installations. It is ideal for network-enabling and remotely managing variable message signs, loop detectors, ramp meters or any RS-232/422/485 serial device.

Specialized features include a conformal coated PCA for moisture and corrosion protection, a screw terminal power connector for durable and reliable power feed, and an extended operating temperature tolerance (-35° C to +74° C). In addition, PortServer TS H^{cc} MEI meets NEMA TS2 requirements for traffic control equipment.

Digi's patented RealPort® technology 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.
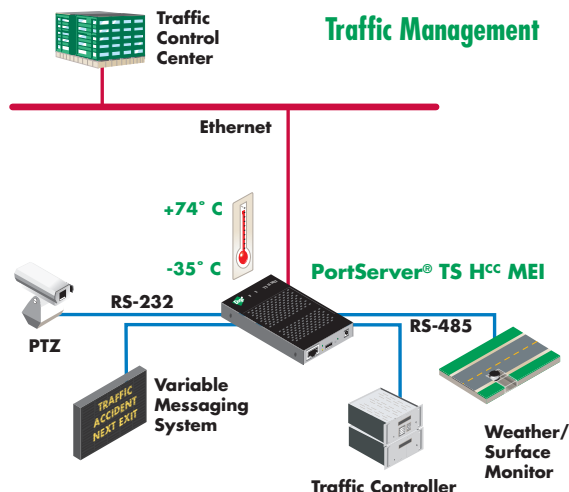
Other features include SSHv2, port buffering, full SNMP device management and industry leading low latency.

Target Applications

Traffic Management

Application Highlight

Traffic Management

Traffic Control Center

Ethernet

+74˚ C

-35˚ C

PortServer® TS H^{cc} MEI

RS-232

PTZ

RS-485

Variable Messaging System

Traffic Controller

Weather/ Surface Monitor

Features/Benefits

- Robust, hardened model with extended temperature tolerance (-35° C to +74° C)
- NEMA TS 2 compliant
- Conformal coated circuit board
- Ships in "Latency Mode & TCP Keep-Alive" setting
- Screw terminal power connectcor
- 1-, 2- and 4-port models for application flexibility
- RS-232/422/485 switch-selectable on all ports
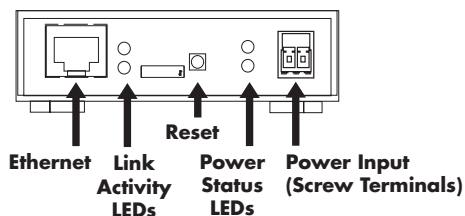- RealPort for COM or TTY port control and management

Specifications	PortServer® TS 1 H^{cc} MEI	PortServer® TS 2 H^{cc} MEI	PortServer® TS 4 H^{cc} MEI
Features			
Management	HTTP/HTTPS, CLI, SNMP (read/write), Digi Port Authority-Remote management diagnostics and auto-discovery tool		
Protocols	UDP/TCP, Supports multiple unicasts, DHCP/RARP/ARP-Ping for IP Address assignment, Extended Telnet RFC 2217, Telnet, Reverse Telnet, Modbus to Modbus/TCP protocol conversion support		
Security	PPP, SSHv2, SSL/TLS		
Extended Safety	Conformal coated circuit board, NEMA TS 2 compliant, Screw terminal connector for power		
Software	Device-initiated patented RealPort® COM port redirector		
Status LEDs	Power, Link, Activity, Status		
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		
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	Full modem and hardware flow control, Modem emulation, Port buffering, RJ-45/DB-9F crossover cable included for optional serial configuration, Wall bracket included		
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 @ 0/5 Amps max		
Power Supply	This product does not ship with a power supply; pigtail included		
Environmental			
Operating Temperature	-35° C to +74° C (-31° F to 165° 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/CL60950, IEC60950 & CB		
Emissions/Immunity	CE, FCC Part 15 (Class A), EN55024, EN55022 Class A, AS/NZS 3548, VCCI V-3/99 .05		

PortServer TS H^{cc} MEI - Front

Ethernet | Link Activity LEDs | Reset | Power Status LEDs | Power Input (Screw Terminals)

PortServer TS H^{cc} MEI - Back

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

5.25"
0.95"
3.33"