PortServer® TS Haz MEI

Serial Servers for Hazardous Locations

Serial-to-Ethernet connectivity in a rugged design capable of withstanding hazardous locations.

Overview

PortServer TS Haz MEI makes it easy to connect one to four serial devices to your network, even in applications where environmental hazards demand extended safety features and operating tolerances.

With a conformal coated circuit board, extended temperature tolerance and the ability to safely perform in flammable environments (Class 1, Division 2 certified), it is the ideal device connectivity solution for applications in fuel distribution, water/waste water management, building automation and transportation.

Digi's patented RealPort® technology, featuring encryption and user authentication*, delivers the industry's most robust, reliable and versatile COM port control and management. RealPort 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.

*The RealPort encryption feature is compatible with AIX, HP UX, Linux, Windows 7, Windows XP, Windows Server 2003, Windows Server 2008, Windows Vista, SCO OpenServer and Solaris. The RealPort authentication feature is compatible only with Windows 7, Windows XP, Windows Server 2003, Windows Server 2008 and Windows Vista.
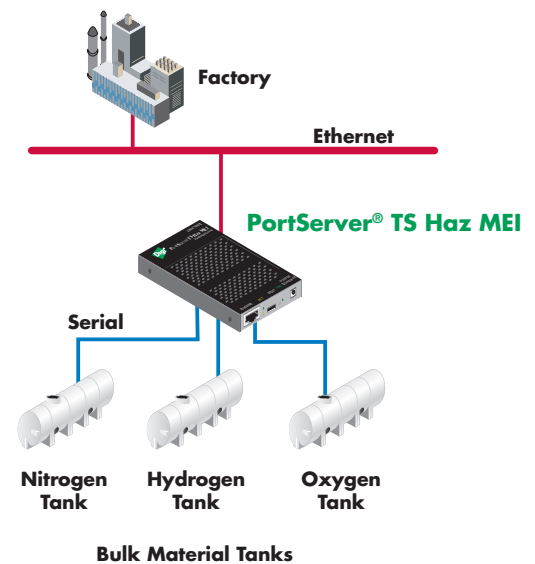
Target Applications

Hazardous Environments

Utilities

Application Highlight

Factory

Ethernet

PortServer® TS Haz MEI

Serial

Nitrogen Tank

Hydrogen Tank

Oxygen Tank

Bulk Material Tanks

Features/Benefits

- **Robust, hardened model with extended temperature tolerance (-35° C to +74° C)**
- **Class 1, Division 2 rated**
- **Conformal coated circuit board**
- **Screw terminal power connector**
- **4 RS-232/422/485 switch selectable ports**
- **RealPort for COM or TTY port control and management**
- **Data security via SSHv2 and SSL/TLS**
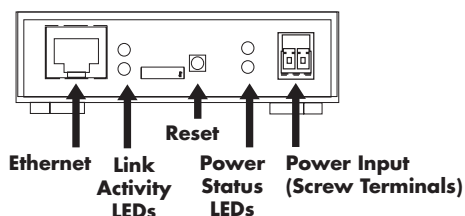- **Monitoring and diagnostic utility for device troubleshooting**
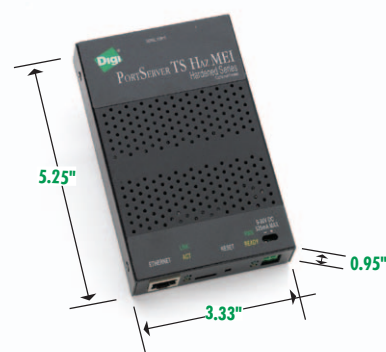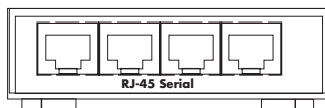
Specifications | PortServer® TS 4 Haz MEI

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
Software	Device-initiated patented RealPort® COM port redirector
Security	PPP, SSHv2, SSL/TLS
Extended Safety	Conformal coated circuit board, Screw terminal connector for power, Ships in "Latency Mode & TCP Keepalive" setting
Status LEDs	Link, Power, Activity, Status
Operating Systems	AIX, HP-UX, Linux®, SCO® OpenServer™ 5, SCO® OpenServer™ 6, Solaris™ Intel, Solaris™ SPARC, Windows® 7, 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

Interfaces	
Serial	
Ports	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 @ 0.5 Amps max
Power Supply	Power supply option available separately

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	1500 VAC 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	Class 1 Division 2, 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 Haz MEI - Front

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

PortServer TS Haz MEI - Back

RJ-45 Serial

5.25" 3.33" 0.95"

Visit www.digi.com for part numbers.