# 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.

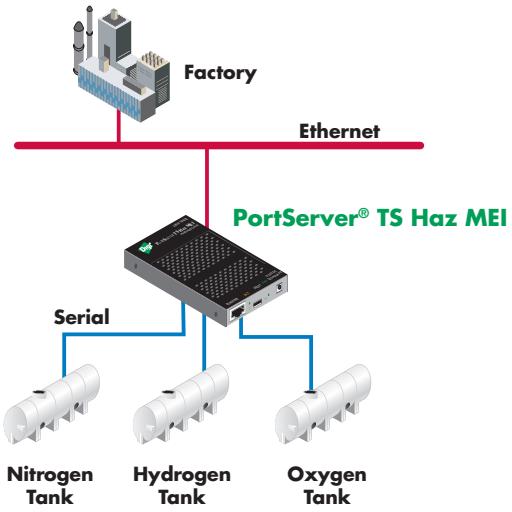
*The RealPort encryption feature is compatible with AIX, HP UX, Linux, Windows XP, Windows 2000, Windows Server 2003, SCO OpenServer and Solaris. The RealPort authentication feature is compatible only with Windows XP, Windows 2000 and Windows Server 2003.

## Target Applications

Hazardous Environments

Utilities

## Application Highlight



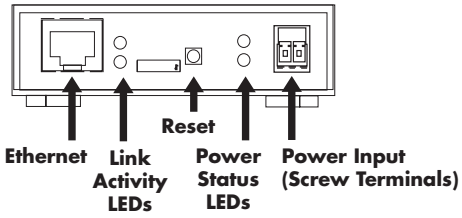

Bulk Material Tanks

## Features/Benefits

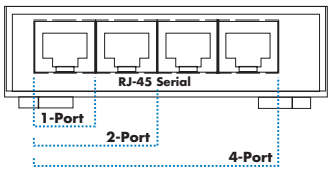
- Robust, hardened model with extended temperature tolerance (-35° C to +74° C)
- Class 1, Division 2 rated
- Conformal coated circuit board
- Screw terminal power connector
- 1-, 2- and 4-port models for application flexibility
- RS-232/422/485 switch-selectable on all ports
- RealPort for COM or TTY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

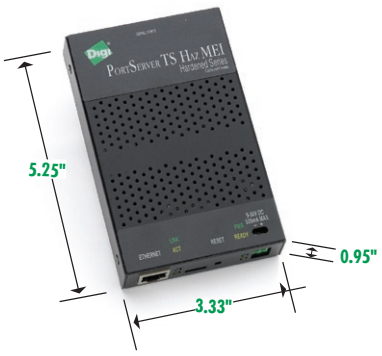
| Specifications | PortServer® TS 1 Haz MEI | PortServer® TS 2 Haz MEI | PortServer® TS 4 Haz MEI |
|---|---|---|---|
| **Features** | | | |
| **Management** | HTTP/HTTPS, CLI, SNMP (read/write), Digi Port Authority-Remote management diagnostics and auto-discovery tool | | |
| **Protocols** | UDP/TCP, 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 XP®, Windows Server® 2003, Windows Server® 2008, Windows Vista®<br>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** | 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** | 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** | 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** | 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**




**PortServer TS Haz MEI - Back**

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