PORTSERVER® TS HAZ MEI

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

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.


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

APPLICATION EXAMPLE

SERIAL SERVERS FOR OUTDOOR EXTENDED TEMPERATURES

RELATED PRODUCTS

PortServer® TS MEI
PortServer® TS
PortServer® TS P MEI
Digi One® IAP
Cables and Accessories

Nitrogen Tank
Hydrogen Tank
Oxygen Tank
Bulk Material Tanks
# PortServer® TS 4 Haz MEI

## Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td><strong>Management</strong></td>
<td>HTTP/HTTPS, CLI, SNMP (read/write), Digi Port Authority-Remote management diagnostics and auto-discovery tool</td>
</tr>
<tr>
<td><strong>Protocols</strong></td>
<td>UDP/TCP, Supports multiple unicsats, DHCP/RA/RP/ARP-Ping for IP Address assignment, Extended Telnet RFC 2217, Telnet, Reverse Telnet, Modbus to Modbus/TCP protocol conversion support</td>
</tr>
<tr>
<td><strong>Software</strong></td>
<td>Supports Digi’s Realport® COM port redirector</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>PPP, SSHv2, SSL/TLS</td>
</tr>
<tr>
<td><strong>Extended Safety</strong></td>
<td>Conformal coated circuit board, Screw terminal connector for power, Ships in “Latency Mode &amp; TCP Keepalive” setting</td>
</tr>
<tr>
<td><strong>Status LEDs</strong></td>
<td>Link, Power, Activity, Status</td>
</tr>
<tr>
<td><strong>Dimensions (L x W x D)</strong></td>
<td>5.25 in x 3.33 in x 0.95 in (13.34 cm x 8.46 cm x 2.42 cm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>2.25 oz (64.00 g)</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td>Full modem and hardware flow control, Modem emulation, Port buffering, RJ-45/DB-9F crossover cable included for optional serial configuration</td>
</tr>
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## 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 human body model

## 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

## Part Numbers

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tr>
<td>70002320</td>
<td>PortServer TS 4 Haz MEI</td>
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## Diagrams

- PortServer TS HAZ MEI - Front
- PortServer TS HAZ MEI - Back