# DIGI

# PORTSERVER® TS HCC MEI

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

PortServer TS Hcc 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, the ability to safely perform in flammable environments (Class 1, Division 2 certified) and an extended operating temperature tolerance (-35° C to +74° C). In addition, PortServer TS Hcc 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.

## BENEFITS

– Robust, hardened model with extended temperature tolerance (-35° C to +74° C)

– Class 1, Division 2 rated

– NEMA TS 2 compliant

– Conformal coated circuit board

– Ships in "Latency Mode & TCP Keep-Alive" setting

– Screw terminal power connector

– 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

## APPLICATION EXAMPLE

TRAFFIC MANAGEMENT

TRAFFIC CONTROL CENTER

Ethernet

PORTSERVER® TS Hcc MEI

RS-232

RS-485

PTZ

Variable Messaging System

Traffic Controller Box

Weather/Surface Monitor

## RELATED PRODUCTS

PortServer®
TS MEI

PortServer®
TS

PortServer®
TS M MEI

Digi One® IAP

Digi Connect®
N2S 170
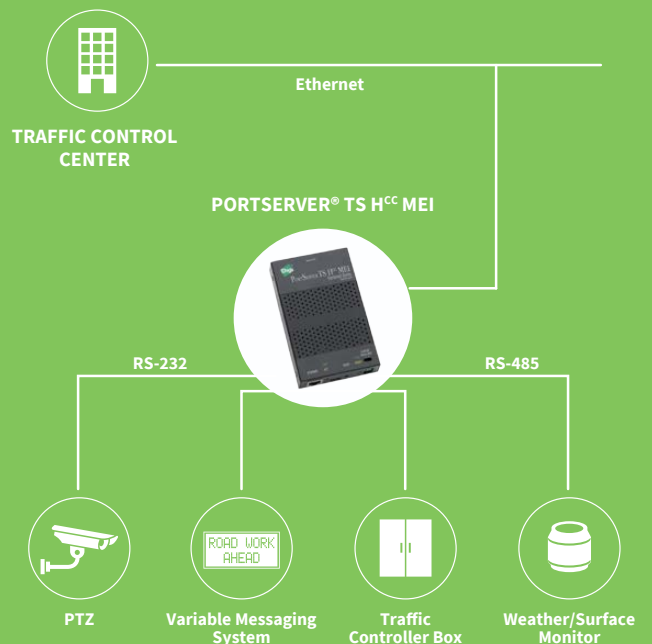
| SPECIFICATIONS | PortServer® TS 2 H^cc MEI | PortServer® TS 4 H^cc MEI |
|---|---|---|

## 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** | Digi's patented RealPort® COM port redirector |
| **STATUS LEDS** | Power, Link, Activity, 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** | 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** | 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 @ 525 mA 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** | 1500 VAC min per IEEE802.3/ANSI X3.263 |
| **SERIAL PORT PROTECTION (ESD)** | 15 kV human body model |

## REGULATORY APPROVALS
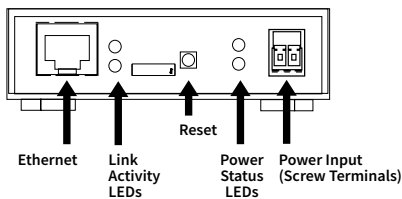
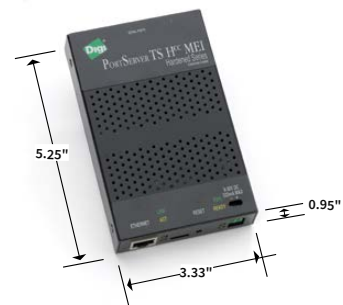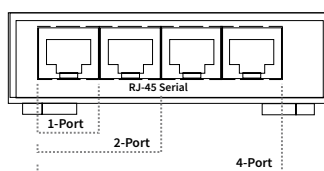| | |
|---|---|
| **SAFETY** | Class 1 Division 2, UL/CL60950, IEC60950 & CB |
| **EMISSIONS/IMMUNITY** | CE, FCC Part 15 (Class A), EN55024, EN55022 Class A, AS/NZS 3548, VCCI V-3/99 .05 |

| PART NUMBERS | DESCRIPTION |
|---|---|
| 70002039 | PortServer TS 2 H^cc MEI |
| 70002040 | PortServer TS 4 H^cc MEI |

### 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"
3.33"
0.95"

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