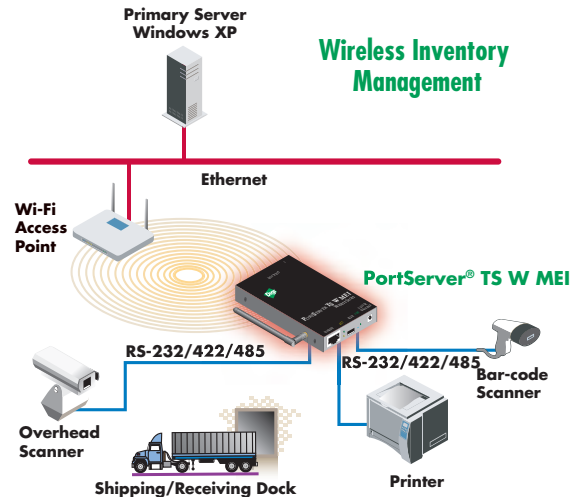# PortServer® TS W MEI

Device Server Wireless Series

The PortServer TS W MEI family easily integrates any RS-232/422/485 serial device to an 802.11b wireless Ethernet network. It is ideal for use where wired LANs are not feasible and where serial devices are periodically moved.

Features/Benefits

- **Easily connect serial devices to an 802.11b wireless Ethernet**

- **Digi's patented RealPort® technology for COM or TTY port control and management**

- **External antenna connector can also be used with third party antenna for extended range/performance**

- **Switch selectable RS 232/422/485 for simple interfacing to any type of serial device**

- **Monitoring and diagnostics utility for simple and efficient device monitoring and troubleshooting**

- **Data security via SSHv2, and SSL/TLS**

- **Wired Equivalent Privacy (WEP) support**

- **Easy configuration through web interface (HTTP)**

Overview

The PortServer TS W MEI Wireless Series makes it easy to connect any RS-232/422/485 serial device to an 802.11b wireless Ethernet network. It combines the inherent benefits of data networking with proven asynchronous connectivity to deliver universal, high-performance serial-to-wireless connectivity.

The addition of an external antenna increases the range and performance of the wireless TCP/IP connection, enabling users to adapt more readily in environments where cabled LANs are impractical. Users can move the adjustable antenna for maximum signal strength or can replace the included antenna with their own for additional flexibility and scalability. For example, a high gain antenna can be used to connect remote serial devices to a central location. This feature is also useful when a serial device is connected in a high interference area like a rooftop, where it is subject to disruption from equipment in a control room. PortServer TS W MEI is also an ideal solution for mobile applications where serial devices are frequently moved.

PortServer TS W MEI offers universal, high-performance serial-to-wireless connectivity and is ideal for applications requiring COM ports, serial tunneling, or where TCP/UDP socket or multiple unicast functionality is needed. Patented RealPort technology makes it possible to establish a connection between the host and networked serial devices by creating a local COM or TTY port on the host computer, allowing software applications to work with networked device servers.

PortServer TS W MEI also delivers powerful features such as data security including SSHv2, and WEP supporting 64-bit and 128-bit encryption. Management is easy with read/write SNMP support for all configuration parameters plus full serial, Ethernet and wireless MIBS.

Features/Specifications

FEATURES

- 802.11b wireless radio
- WEP supporting 64-bit and 128-bit encryption
- 10/100Base-T Ethernet support for quick configuration
- 1/2/4 ports
- RS-232/422/485 switch selectable RJ-45 serial
- Baud rates up to 115.2 Kbps
- Full modem and hardware flow control
- TCP/UDP socket services
- Telnet and reverse telnet
- Modbus to Modbus/TCP protocol conversion support
- Patented RealPort technology for COM and TTY ports
- Extended telnet RFC 2217
- PPP
- SSHv2, SSL/TLS
- SNMP (read/write)
- Digi Port Authority – Remote management diagnostics and auto-discovery tool
- LED for link power, and wireless bandwidth
- RJ-45/DB-9F crossover cable for configuration
- Transmit up to 64 destinations simultaneously over UDP

ENVIRONMENTAL

- Operating temperature: 0° C to 50° C (32° F to 122° F)
- Relative humidity: 20% to 80% (non-condensing)
- Storage: -55° C to 85° C (-67° F to 185° F)
- Ethernet isolation: 1500VAC min per IEEE 802.3/ANSI x3.263
- Serial Port Protection (ESD): 15 kV air and 8 kV contact

OPERATING SYSTEMS

- AIX, TCP, UDP, HTTP, SSH
- Compaq Tru64
- HP-UX
- Linux
- Windows® XP
- Windows 2000
- Windows NT®
- Windows 98/ME
- Windows Server™ 2003
- SCO® OpenServer
- SCO® UnixWare
- Solaris™ (Intel)
- Solaris™ (SPARC)
- TCP/UDP socket services are operating system independent

REGULATORY APPROVALS

- FCC Part 15 Subpart B & C, Class B
- RSS-210: Issue 5
- EN55022, Class B
- EN301 489-3 Class B
- EN300 328
- EN61000-3-2 ,3
- EN55024
- UL60950
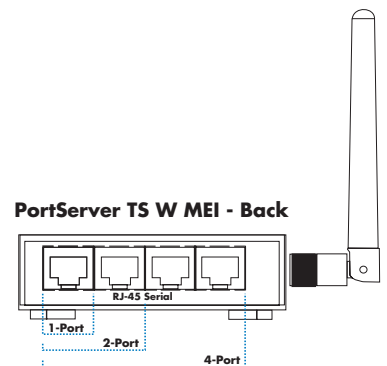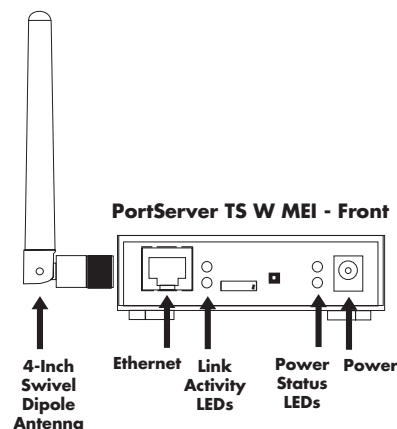- CAN/CSA C22.2 No. 60950
- EN60950

802.11B SPECIFICATIONS

- Transmit power: 100 mW (country dependent)
- Receiver sensitivity: -90 dBm
- Antenna gain: 2 dBi
- Antenna connector type: SMA, reverse polarity

POWER REQUIREMENTS

- Power supply included
  North America
  12VDC/.5A max out; 120VAC in (wall mount)
  International
  12VDC/.5A max out; 100-240VAC in (small brick)
- Product will accept 9-30VDC
- Power Consumption
  - Typical: 4W
  - Max: 6W
- Surge Protection (with included power supply)
  - 4 kV burst (EFT)
  - 2 kV surge

DIMENSIONS

- Length: 5.25 in (13.34 cm)
- Width: 3.33 in (8.46 cm)
- Depth: 1.31 in (3.33 cm)
- Weight: 0.45 lb (0.20 kg)

PortServer TS W MEI - Front

4-Inch Swivel Dipole Antenna | Ethernet | Link Activity LEDs | Power Status LEDs | Power

PortServer TS W MEI - Back

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

MODEL....................PART NUMBERS

Model	North America	International
PortServer TS 1 W MEI	70001954	70001955
PortServer TS 2 W MEI	70001956	70001957
PortServer TS 4 W MEI	70001958	70001959
Replacement Power Supply (wall mount)	76000737	N/A
Replacement Power Supply (small brick)	76000654	76000654

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WHEN RELIABILITY MATTERS™

Digi International, the leader in device networking for business, develops reliable products and technologies to connect and securely manage local or remote electronic devices over the network or via the web. With over 20 million ports shipped worldwide since 1985, Digi offers the highest levels of performance, flexibility and quality.

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