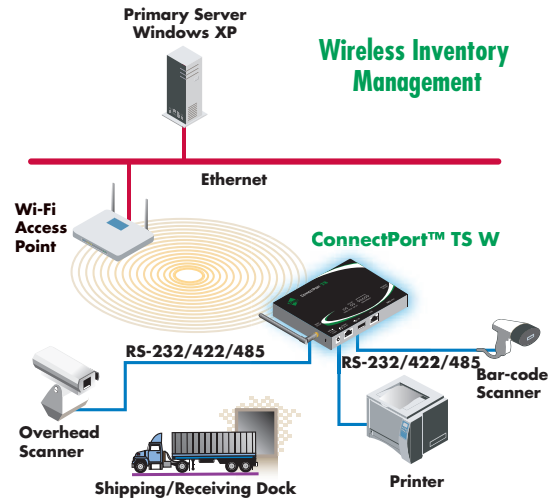


The ConnectPort TS W family is designed to provide secure and easy integration of RS-232/422/485 serial devices into 802.11b/g WLAN and wired Ethernet environments.



Features/Benefits

- Available with 1, 2 or 4 RS-232/422/485 interfaces; software selectable
- 802.11b/g WLAN interface
- 10/100 Mbit Ethernet interface
- Strong WPA/WPA2/802.11i wireless LAN security
- SSL/TLS and SSHv2 support with 256-bit AES encryption
- Easy configuration and management through web browser and CLI
- Network based management support through SNMPv2
- Patented RealPort® technology for COM/TTY port control/management
- USB port for additional device connectivity options

Overview

The ConnectPort TS W family of serial servers provides secure and easy integration of virtually any RS-232/422/485 serial device into 802.11b/g wireless LANs and wired Ethernet networks.

Combining the inherent benefits of secure data networking with proven asynchronous connectivity, the ConnectPort TS W delivers universal, high-performance serial-to-network connectivity and is ideal for applications requiring COM/TTY ports, serial tunneling, or TCP/UDP functionality. Digi's Patented RealPort® technology makes it possible to establish a connection between the server and networked serial devices by creating a local COM/TTY port on the server, allowing almost every software application to work with networked device servers without software modification.

For data privacy, the ConnectPort TS W family offers leading enterprise-class security such as complete WPA/WPA2/802.11i support for WLAN connections and strong 256-bit AES encryption via SSL/TLS/SSHv2 for both wired and wireless networks.

Easy-to-use configuration and management is available through an integrated and secure web user interface as well as a powerful Command Line Interface (CLI) option. The support for SNMPv2 makes device integration into centralized network management systems simple and effortless.

Additional device connectivity is provided through a USB port (Type A, host) to which devices such as Digi's Watchport® camera or a USB memory stick can be attached. Please see www.digi.com/products/wireless/usb-peripherals for a list of compatible USB devices.

Features/Specifications

FEATURES

- 32-bit Digi NS9360 processor
- 802.11b/g WLAN interface
- 10/100Base-T Ethernet interface
- 1/2/4 software-selectable RS-232/422/485 serial ports
- RJ-45 serial connector(s)
- Baud rates up to 115.2 Kbps
- Full modem and hardware flow control
- Powered USB host interface with Type A connector
- Web user interface and Command Line Interface (CLI)
- 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, SNMPv2
- LEDs for power, link status, activity, and signal strength
- All connectors available on front of unit

WLAN SECURITY

- WEP (Wired Equivalent Privacy)
 - 64/128-bit encryption (RC4)
 - Open and shared mode
- WPA/WPA2/802.11i
 - 128-bit TKIP/CCMP (AES) encryption
 - Enterprise mode (802.1X)
 - PEAP, TTLS, TLS, LEAP (WEP)
 - GTC, MD5, OTP, PAP, CHAP, MSCHAP, MSCHAPv2, TTLS-MSCHAPv2
 - Pre-shared key mode (PSK)
 - 128-bit TKIP/CCMP (AES) encryption

NETWORK INTERFACE

Wired

- Standard: IEEE 802.3
- Physical layer: 10/100Base-T
- Data rate: 10/100 Mbps (auto-sensing)
- Mode: Full or half duplex (auto-sensing)
- Connector: RJ-45 w/LEDs

Wireless LAN

- Standard: IEEE 802.11b/g
- Infrastructure and ad-hoc mode
- Frequency: 2.4 GHz
- Antenna connector: 1 x RP-SMA
- Data rate: Up to 54 Mbps w/fallback
- Modulation: DBPSK (1 Mbps), DQPSK (2 Mbps), CCK (11.5 Mbps), BPSK (6,9 Mbps), QPSK (12,18 Mbps), 16-QAM (24,36 Mbps), 64-QAM (48, 54 Mbps)
- Transmit power: 16 dBm typical (without antenna connected)
- Receive sensitivity: -73 dBm at 54 Mbps
- 2 dBi dipole antenna included

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

POWER REQUIREMENTS

- 6-30VDC @ 1A max
- 12VDC power supply for 0° C to 60° C (32° F to 140° F) with locking barrel connector included; extended temperature power supply available separately
- Surge protection (with included power supply): 4 kV burst (EFT) per-4-4, 2 kV surge per EN61000-4

ENVIRONMENTAL

- Operating temperature: -20° C to 60° C (-4° F to 140° 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 gap and +8 kV contact discharge per IEC 1000-4-2

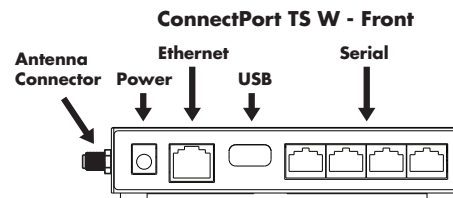
DIMENSIONS

- Length: 5.25 in (13.34 cm)
- Width: 3.33 in (8.46 cm)
- Depth: 1.31 in (3.33 cm)
- Weight: 1.00 lb (0.45 kg)

MODEL.....PART NUMBERS

Model	North America	International
ConnectPort TS 1 W	CPTS-1MW	CPTS-1MW-R
ConnectPort TS 2 W	CPTS-2MW	CPTS-2MW-R
ConnectPort TS 4 W	CPTS-4MW	CPTS-4MW-R
Extended Temperature Power Supply (12 VDC/100-240 VAC)	76000752	76000752

Antenna upgrade options available. Please contact Digi sales.



DIGI SERVICE AND SUPPORT - You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty. www.digi.com/support

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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