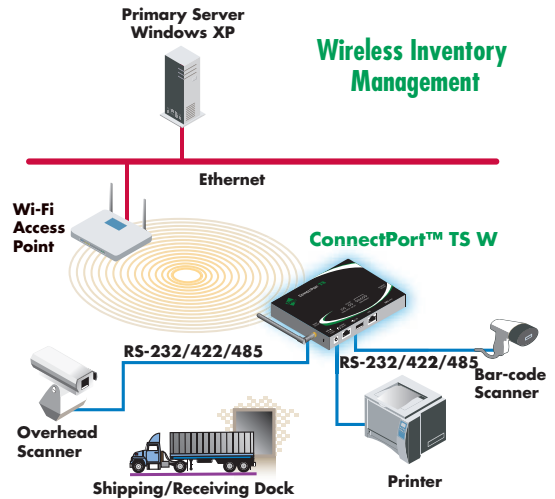


The ConnectPort TS W family is designed to provide secure and easy integration of RS-232/422/485 serial devices into 802.11b/g WLAN and wired Ethernet environments.



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

- 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

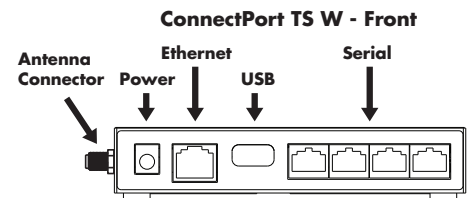
DIMENSIONS

- 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



Groupe 2AR
Votre contact

AURECOM

Bretagne et Grand Ouest

La Ville Cognac - 56430 Mauron
tél 02.97.22.79.72 - fax 02.97.22.90.51
www.aurecom.fr - info@aurecom.fr

www.digi.fr

PH: +81-3-5428-0261
FX: +81-3-5428-0262
www.digi-intl.co.jp

AIRICOM

Ile de France Paris et Nord

65 rue de la Libération - 60710 Chevières
tél 03.44.91.04.14 - fax 03.44.91.04.15
www.airicom.com - info@airicom.com

PH: +852-2833-1008
FX: +852-2572-9989
www.digi.cn

RG2i

Rhône Alpes Est et Sud-est

26 rue Bergson - 42000 Saint Etienne
tél 04.77.92.03.56 - fax 04.77.92.03.57
www.rg2i.com - info@rg2i.fr

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