

# ConnectPort™ TS 8/16

## Terminal Servers

IPv4/IPv6 capable terminal servers are designed to provide secure and easy integration of serial devices into wired Ethernet environments.



## Overview

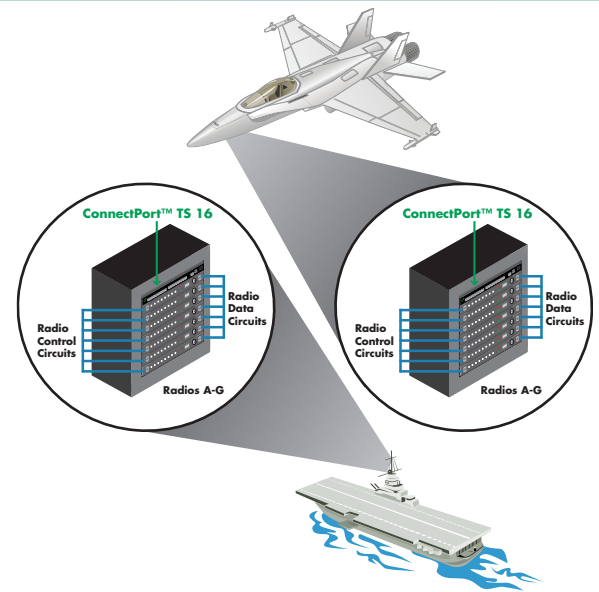
ConnectPort TS 8/16 serial servers provide secure, easy integration of virtually any serial device into wired Ethernet networks. They are ideal for use in IPv4/IPv6 United States Government Department of Defense networks and for applications requiring COM/TTY ports, serial tunneling or TCP/UDP functionality.

The built-in Python development environment enables application customization. This easy-to-use, universal programming language allows complete control of device connections, data manipulation and event based actions.

Efficient configuration and management of the ConnectPort TS 8/16 is available through an integrated and secure web user interface as well as a powerful Command Line Interface option. SNMPv2 support provides simple device integration into centralized network management systems.

Additional device connectivity is provided through two USB ports to devices such as Digi's Watchport® USB camera or a USB memory stick.

## Application Highlight



## Features/Benefits

- Dual IPv4/IPv6 stack
- Easy-to-use Python development environment for custom applications
- Tx/Rx LEDs per serial port
- Patented RealPort® technology for COM/TTY port control/ management
- Easy configuration and management through web browser or CLI
- Console port for configuration
- Network based management support through SNMPv2
- SSL/TLS and SSHv2 for added security

## Platform

## ConnectPort™ TS 8

## ConnectPort™ TS 16

## Performance

|                        |  |  |
|------------------------|--|--|
| Management             | HTTP/HTTPS, CLI or Telnet; Optional secure enterprise management via Digi Connectware Manager                                |  |
| Protocols              | IPv4/IPv6, UDP/TCP, DHCP, Extended Telnet RFC 2217, Telnet, Reverse Telnet, Modbus to Modbus/TCP protocol conversion support |  |
| Software               | Device-initiated patented RealPort COM port redirector and RFC 2217; Python scripting; Custom development environment        |  |
| Status LEDs            | Serial: Tx/Rx; Ethernet: Link/Activity   |  |
| Dimensions (L x W x H) | 4.15 in x 7.7 in x 1.3 in (10.5 cm x 19.6 cm x 3.3 cm)   | 17 in x 6.95 in x 1.62 in (43.18 cm x 17.65 cm x 4.1 cm) |
| Weight                 | 4.1 lb (1.86 kg)   | 5 lb (2.3 kg)  |
| Security               | SSL, SSL/TLS, SSHv2, FIPS 197 (serial ports), SNMPv2, PPP  |  |

## Interfaces

## Serial

|                |   |                        |
|----------------|---|------------------------|
| Ports          | 8 RS-232/422/485 serial ports (software selectable) | 16 RS-232 serial ports |
| Throughput     | Up to 230 Kbps                                      |                        |
| Signal Support | TXD, RXD, RTS, CTS, DTR, DSR, DCD                   |                        |

## Ethernet

|                |                     |  |
|----------------|---------------------|--|
| Physical Layer | 10/100 Base-T       |  |
| Data Rate      | 10/100 Mbps         |  |
| Mode           | Full or Half duplex |  |

## USB

|       |                            |  |
|-------|----------------------------|--|
| Ports | 2 ports @ .5A max per port |  |
|-------|----------------------------|--|

## Power Requirements

|                   |  |  |
|-------------------|--|--|
| Power Input       | 9-30 VDC @ .8A max   | 100-240 VAC, 50-60 Hz, 0.4A                                |
| Power Supply      | 12VDC power supply for 0° C to 60° C (32° F to 140° F) with locking barrel connector included; Extended temperature power supply available | Open frame power supply: 100 to 250 VAC in 12 VDC out      |
| Power Consumption | Typical: 6W (500mA @ 12Vdc)<br>Max: 12W (1A @ 12 Vdc)  | Typical: 8W (660mA @ 12 Vdc)<br>Max: 15W (1.25A @ 12 Vdc)  |
| Surge Protection  | 4 kV burst (EFT) per-4-4; 2 kV surge per EN61000-4   | 1 kV burst (EFT) per EN61000-4-4; 2 kV surge transient per |

## Environmental

|                              |  |                                 |
|------------------------------|--|---------------------------------|
| Operating Temperature        | 0° C to 60° C (32° F to 140° F)                            | 0° C to 55° C (32° F to 131° F) |
| Storage Temperature          | -40° C to 85° C (-40° F to 185° F)                         |                                 |
| Relative Humidity            | 5 to 95% (non-condensing)                                  |                                 |
| Ethernet Isolation           | 1500VAC min per IEEE 802.3/ABSU X 3.263                    |                                 |
| Serial Port Protection (ESD) | +8 kV air gap and +4 kV contact discharge per IEC 1000-4-2 |                                 |

## Approvals

|                    |   |  |
|--------------------|---|--|
| Safety             | UL60950-1, EN/IEC 60950-1, CAN/CSA C22.2 No. 60950, CUL60950-1-03                         |  |
| Emissions/Immunity | FCC Part 15 Subpart B Class A, EN55024, EN55022, Class B, AS/NZS CUSOR 22, EN61000-3-2 ,3 |  |