

# 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

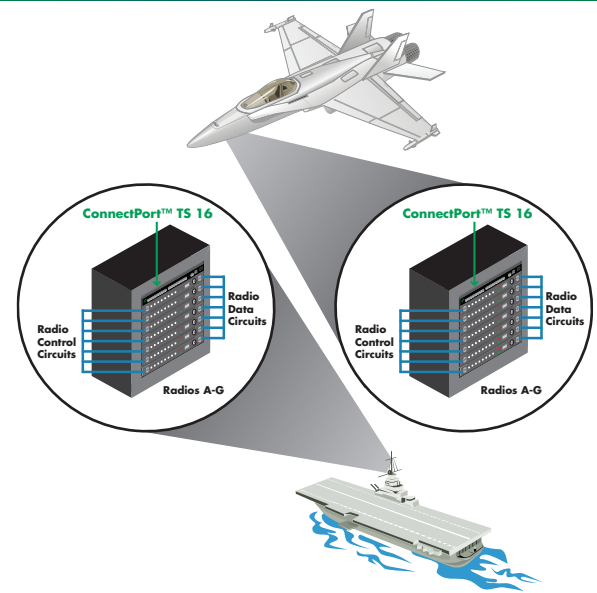
ConnectPort TS 8/16 serial servers provide secure, easy integration of virtually any serial device into wired Ethernet networks. They are ideal for use in IPv4/IPv6 United States Government Department of Defense networks and for applications requiring COM/TTY ports, serial tunneling or TCP/UDP functionality.

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
<b>Performance</b>		
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	
<b>Interfaces</b>		
<b>Serial</b>		
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	
<b>Ethernet</b>		
Physical Layer	10/100 Base-T	
Data Rate	10/100 Mbps	
Mode	Full or Half duplex	
<b>USB</b>		
Ports	2 ports @ .5A max per port	
<b>Power Requirements</b>		
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) Max: 12W (1A @ 12 Vdc)	Typical: 8W (660mA @ 12 Vdc) 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
<b>Environmental</b>		
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	
<b>Approvals</b>		
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	

Visit [www.digi.com](http://www.digi.com) for part numbers.

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