TERMINAL SERVERS
WITH DUAL
IPV4/IPV6 STACK

CONNECTPORT® TS 8/16

8 and 16 port terminal servers provide 232 only or 232/422/485 selectable serial connectivity for critical applications

ConnectPort TS 8/16 serial servers provide secure, easy RS-232 or RS-232/422/485 serial-to-Ethernet integration of virtually any device into wired Ethernet networks. They are ideal for use in a wide variety of demanding applications such as automation, robotics control, centralized device monitoring and management, data acquisition, and point-of-sale applications requiring COM/TTY ports, serial tunnelling or TCP/UDP functionality.

Enhanced access control, management and configuration capabilities support key security requirements for critical infrastructure and distributed systems. A built-in Python environment enables application development and customization at the device level, including full device connection control, data manipulation and event based actions.

The ConnectPort TS implements Digi's patented RealPort COM port redirection software which provides local serial port functionality. The ConnectPort supports both host-initiated and device-initiated RealPort connection modes. SSH, SSL, TCP and UDP connectivity are also supported to each port.

Management of the device is possible through Digi Remote Manager, web services, CLI and SNMP connectivity with mass configuration and customization tools available to pre-configure devices prior to deployment.

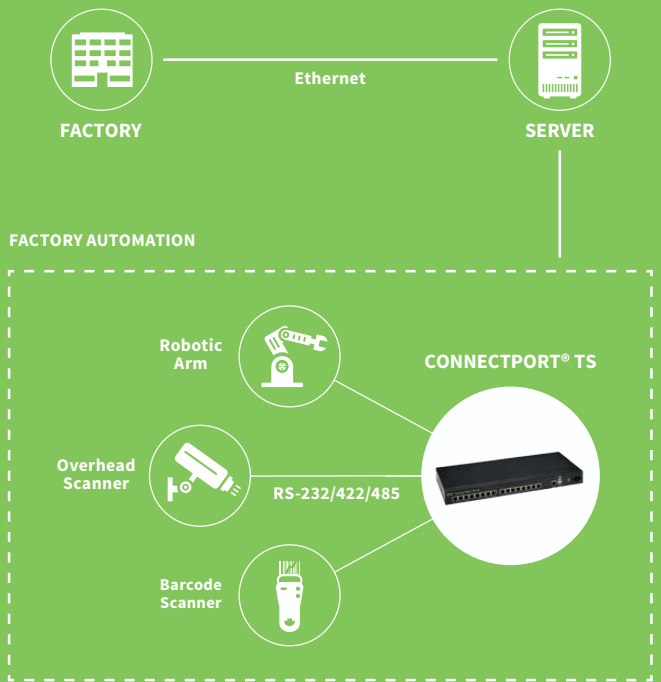
BENEFITS

- Low latency connectivity for sensitive applications
- 8 or 16 RS-232 or software selectable RS-232/422/485 serial ports
- 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
- Web proxy support
- Per user access controls
- Dedicated console port
- Digi Remote Manager® support
- SSL/TLS and SSHv2 for added security

RELATED PRODUCTS

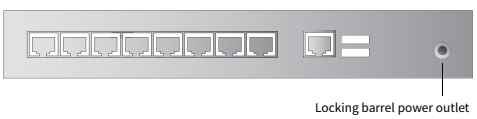
PortServer® TS | PortServer® TS MEI | ConnectPort® LTS 8/16/32 | RealPort® | Accessories and Cables

APPLICATION EXAMPLE

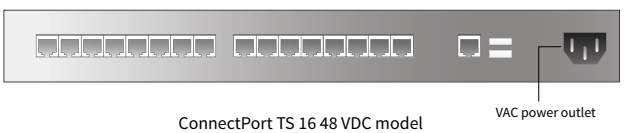


SPECIFICATIONS	ConnectPort® TS 8 ConnectPort TS 8 MEI	ConnectPort® TS 16 ConnectPort TS 16 MEI
PERFORMANCE		
MANAGEMENT	HTTP/HTTPS, SSH or Telnet; Optional secure enterprise management via Digi Remote Manager	
PROTOCOLS	IPv4/IPv6, UDP/TCP, DHCP, Extended Telnet RFC 2217, Telnet, Reverse Telnet, SSH direct to serial port, Modbus/TCP to Modbus protocol conversion support	
SOFTWARE	Patented RealPort COM port redirector (server initiated or device initiated); RFC 2217; Python support	
STATUS LEDS	Serial: Tx/Rx; Ethernet: Link/Activity, Diagnostic	
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	HTTPS, SSL, SSL/TLS, SSHv2, FIPS 197, SNMPv2, PPP	
INTERFACES		
SERIAL		
PORTS	8 RS 232 serial ports MEI version: 8 RS 232/422/485 serial ports (software selectable)	16 RS 232 serial ports MEI version: 16 RS 232/422/485 serial ports (software selectable)
THROUGHPUT	Up to 230 Kbps per port	
SIGNAL SUPPORT	TXD, RXD, RTS, CTS, DTR, DSR, DCD, RI	
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	AC: 100-240 VAC, 50/60 Hz, 0.4A DC: 36-72 VDC .700A (MAX)
POWER SUPPLY	12 VDC power supply for 0° C to 60° C (32° F to 140° F) with locking barrel connector included; Extended temperature power supply available	AC: Internal power supply, 100 to 250 VAC, 50-60 Hz DC: Internal power supply, 32-72 VDC
POWER CONSUMPTION	Typical: 6W (500 mA @ 12 VDC) Max: 12W (1A @ 12 VDC)	Typical: 8W; Max: 15W
PRODUCT SURGE PROTECTION (ESD)	4 kV burst (EFT) per EN61000-4-4; 2 kV surge transient per EN61000-4-5	1 kV burst (EFT) per EN61000-4-4; 2 kV surge transient per EN61000-4-5
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	-35° C to 85° C (-31° F to 185° F)	
RELATIVE HUMIDITY	5 to 95% (non-condensing)	
ETHERNET ISOLATION	1500 VAC min per IEEE 802.3/ABSU X 3.263	
SERIAL PORT PROTECTION (ESD)	15 Kv human body model	
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, AS/NZS CISPR 22, EN61000-3-2, 3	

ConnectPort TS 8 (EIA-232 and MEI models)



ConnectPort TS 16 (EIA-232 and MEI AC models)



ConnectPort TS 16 48 VDC model

PART NUMBERS	DESCRIPTION
70002534	ConnectPort TS 16 MEI
70002388	ConnectPort TS 16
70002538	ConnectPort TS 16 48 VDC
70002323	ConnectPort TS 8
70002329	ConnectPort TS 8 MEI

FOR MORE INFORMATION PLEASE VISIT WWW.DIGI.COM

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