



TERMINAL SERVERS
WITH DUAL
IPv4/IPv6 STACK



CONNECTPORT TS 8/16

8 and 16 port terminal servers with dual IPv4/IPv6 stack provide 232 only or 232/422/485 selectable serial connectivity for critical applications

Digi 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 tunneling 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.

Efficient configuration and management of Digi 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. Digi 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 and 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



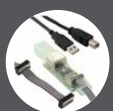
PortServer®
TS MEI



ConnectPort®
LTS 8/16/32

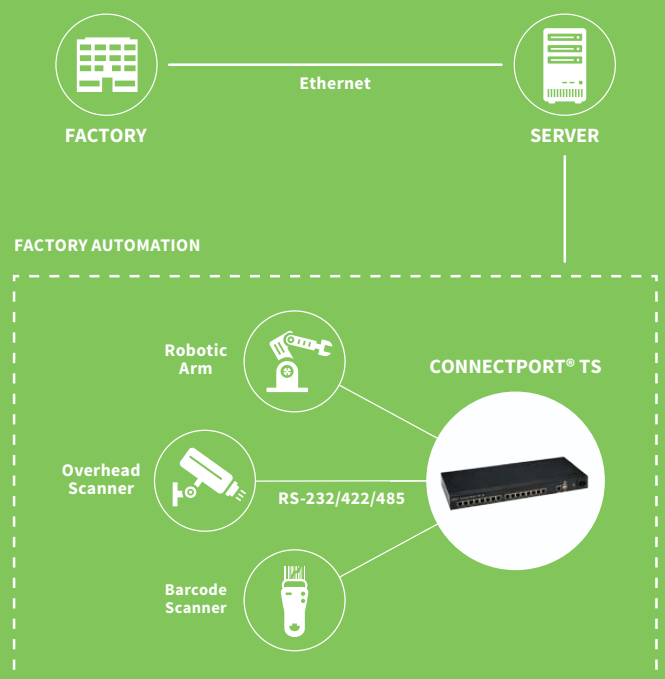


RealPort®



Accessories
and Cables

APPLICATION EXAMPLE



SPECIFICATIONS

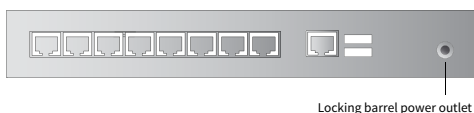
ConnectPort TS 8 / 8 MEI

ConnectPort TS 16 / 16 MEI

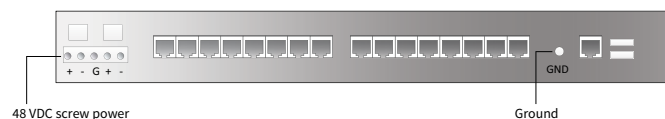
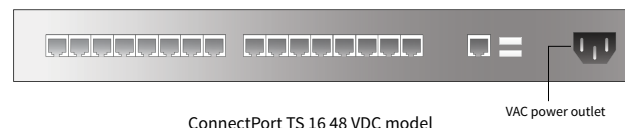
PERFORMANCE		
MANAGEMENT	HTTP/HTTPS, SSH or Telnet; Optional secure enterprise management via Digi Remote Manager [®]	
PROTOCOLS	IPv4/IPv6, UDP/TCP, DHCP, Extended Telnet RFC 2217, Telnet, Reverse Telnet, SSH direct to serial port, Modbus/TCP to Modbus protocol conversion support	
SOFTWARE	Patented RealPort [®] COM port redirector (server initiated or device initiated); RFC 2217; Python support	
OPERATING SYSTEMS	Microsoft Windows [®] 7, 8, 8.1, 10 and Windows Server [®] 2012, 2016, 2019; and Linux [®]	
STATUS LEDS	Serial: Tx/Rx; Ethernet: Link/Activity, Diagnostic	
DIMENSIONS (L X W X H)	10.5 cm x 19.6 cm x 3.3 cm (4.15 in x 7.7 in x 1.3 in)	43.18 cm x 17.65 cm x 4.1 cm (17 in x 6.95 in x 1.62 in)
WEIGHT	1.86 kg (4.1 lb)	2.3 kg (5 lb)
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 @ .5 A max per port	
POWER REQUIREMENTS		
POWER INPUT	9-30 VDC @ .8 A max	AC: 100-240 VAC, 50/60 Hz, 0.4 A; DC: 36-72 VDC .700 A (max)
POWER SUPPLY	12 VDC power supply for 0° C to 60° C (32° F to 140° F) with locking barrel connector included (76000734); 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: 6 W (500 mA @ 12 VDC); Max: 12 W (1 A @ 12 VDC)	Typical: 8 W; Max: 15 W
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	

PRODUCT IMAGES

ConnectPort TS 8 (EIA-232 and MEI models)



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



PART NUMBERS

DIGI CONNECTPORT TS 8/16

CONNECTPORT TS 16

70002388	ConnectPort TS 16
70002534	ConnectPort TS 16 MEI
70002538	ConnectPort TS 16 48 VDC

CONNECTPORT TS 8

70002323	ConnectPort TS 8
70002329	ConnectPort TS 8 MEI

PART NUMBERS

AVAILABLE ACCESSORIES*

CABLE ADAPTERS

76000697	DB-9F Console Adapter (Quantity: 4)
76000698	DB-25M Console Adapter (Quantity: 4)
76000699	DB-25F Console Adapter (Quantity: 4)
76000700	DB-25M Modem Adapter (Quantity: 4)
76000701	DB-9M Modem Adapter (Quantity: 4)

CABLES

76000195	RJ-45 to DB-25 Male Straight, 4'
76000199	RJ-45 to DB-25 Female Straight, 4'
76000201	RJ-45 to DB-9 Female Straight, 4'
76000238	RJ-45 to DB-25 Male Crossover, 4'
76000240	RJ-45 to DB-9 Male Straight, 4'
76000264	RJ-45 to DB-9 Male Crossover, 4'
76000631	6' cable RJ-45 to RJ-45 for Sun Netra/Cisco
76000645	RJ-45 to DB-9 Female Crossover, 4'

SPECIALTY CABLES

76000723	Connect EIA 422/485 Devices to Digi MEI products that have 10 pin RJ45 connectors
ELF-TSM-CBL-16	Etherlite RJ45 8 pin Female to TS RJ45 10 pin Male 6" cable package of 16

OPTIONAL ACCESSORY FOR 48 VDC

76000696	DC Power Cord - 2.1 mm locking barrel plug to 2-pin connector, 6', 12 VDC to 48 VDC
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REPLACEMENT BRACKET (TS 16)

76000958	ConnectPort TS 16 Replacement Bracket 19"
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REPLACEMENT AC POWER SUPPLY (TS 8)

76000734	AC Power Supply - 12 VDC, 100-240 VAC, IEC320-C14 input plug, locking barrel, AC power cord not included
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*Accessories not included unless otherwise noted.

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