



EASY SERIAL-
TO-ETHERNET
CONNECTIVITY



PORTSERVER TS

Simple, reliable and cost-effective RS-232 serial-to-Ethernet connectivity

PortServer® TS serial servers offer a simple, reliable and cost-effective solution for connecting multiple serial devices over industry standard Ethernet. Target applications include retail/point-of-sale, building control and medical point-of-care.

Digi's patented RealPort®, with encryption and user authentication*, makes it possible to establish a connection between the host and networked serial device by creating a local COM or TTY port on the host computer, allowing software applications to work with networked device servers instead of requiring a host adapter.

PortServer TS is easy to install locally or remotely through a variety of IP addressing methods (DHCP, RARP, ARP-Ping) along with an application included on the installation CD that will automatically detect all PortServer devices on your network.

*The RealPort encryption feature is compatible with Microsoft Windows® 7, 8, 8.1, 10 and Windows Server® 2012, 2016, 2019; and Linux®. The RealPort authentication feature is compatible only with Microsoft Windows® 7, 8, 8.1, 10 and Windows Server® 2012, 2016, 2019.

BENEFITS

- 1, 2 or 4 RS-232 serial ports for standard serial-to-Ethernet connectivity
- Ideal for applications requiring COM ports, serial tunneling, TCP/UDP sockets, or multiple unicast functionality
- Patented RealPort for COM/TTY port control and management
- Modem emulation
- Monitoring and diagnostic utility
- Secure communication via SSHv2
- Tunable for low latency or optimized for throughput
- Easy web-based configuration (HTTP/HTTPS)

RELATED PRODUCTS



PortServer®
TS MEI



ConnectPort®
TS



ConnectPort®
LTS



Digi One® SP



Cables

APPLICATION EXAMPLE



PC SERVER

IP ENABLING SERIAL RETAIL/POS EQUIPMENT

Ethernet

PORTSERVER® TS



Bar-code
Scanner

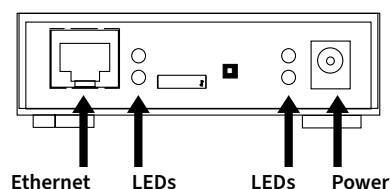
RS-232



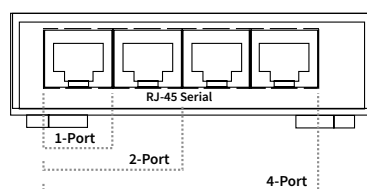
Credit Card
Reader

SPECIFICATIONS	PortServer TS 1 PortServer TS 2 PortServer TS 4		
FEATURES			
MANAGEMENT	HTTP/HTTPS, CLI, SNMP (read/write), Digi Port Authority-Remote management diagnostics and auto-discovery tool		
PROTOCOLS	UDP/TCP, DHCP/RARP/ARP-Ping for IP Address assignment, PPP, Extended Telnet RFC 2217, Telnet, Reverse Telnet, Modbus to Modbus/TCP protocol conversion support, RADIUS, Reverse SSH		
SECURITY	SSHv2, SSL/TLS		
SOFTWARE	Supports Digi’s Realport® COM port redirector		
STATUS LEDS	Link, activity, power, status		
OPERATING SYSTEMS	Microsoft Windows® 7, 8, 8.1, 10 and Windows Server® 2012, 2016, 2019; and Linux® Note: TCP/UDP socket services are operating system independent		
DIMENSIONS (L X W X D)	13.34 cm x 8.46 cm x 2.42 cm (5.25 in x 3.33 in x 0.95 in)		
WEIGHT	6.67 oz (189 g)		
OTHER	Full modem and hardware flow control, modem emulation, port buffering, RJ-45/DB-9F console adapter included for optional serial configuration		
INTERFACES			
SERIAL			
PORTS	1 RS-232 RJ-45; Up to 230 kbps through-put; signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD	2 RS-232 RJ-45; Up to 230 kbps through-put; signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD	4 RS-232 RJ-45; Up to 230 kbps through-put; signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD
ETHERNET			
PORTS	1 RJ-45 10/100 Mbps 10/100Base-T (auto-sensing); full or half duplex		
POWER REQUIREMENTS			
POWER INPUT	9 - 30 VDC with locking barrel power connector		
POWER SUPPLY (INCLUDED)	12 VDC/1.5 A max out; 100 - 240 VAC 50-60 Hz in (wall mount)		
POWER SUPPLY (OPTIONAL)	12 VDC extended temperature power supply sold separately		
POWER CONSUMPTION	Typical: 4 W; Max: 6 W		
PRODUCT SURGE PROTECTION (ESD)	4 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)		
STORAGE TEMPERATURE	-40° C to 85° C (-40° F to 185° F)		
RELATIVE HUMIDITY	5% to 95% (non-condensing)		
ETHERNET ISOLATION	1500 VAC min per IEEE802.3/ANSI X3.263		
SERIAL PORT PROTECTION (ESD)	15 kV Human Body Model		
APPROVALS			
SAFETY	UL/CUL 60950, IEC 60950 & CB		
EMISSIONS/IMMUNITY	CE, FCC Part 15 (Class A), EN55024, EN55022 Class A, AS/NZS 3548, CISPR 22, VCCI V-3/99.05		

PORTSERVER TS FAMILY - FRONT



PORTSERVER TS FAMILY - BACK



PART NUMBERS	PORTSERVER TS
70002041	PortServer TS 1 Worldwide
70002043	PortServer TS 2 Worldwide
70002045	PortServer TS 4 Worldwide

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
MOUNTING	
76000641	Wall mount bracket - mounts PortServer TS 1/2/4 products to flat surface without power cord hook
76000756	Mounting bracket - DIN rail
POWER SUPPLIES	
76000732	DC power cord - 2.1mm locking barrel plug to bare wires
76000734	AC power supply - 12 VDC, 100-240 VAC, IEC320-C14 input plug, locking barrel, AC power cord not included
76000735	AC power supply - 12VDC, 100/240VAC, 0.5A, locking barrel (US only); compatibility: 9-30 V adapters
REPLACEMENT AC POWER SUPPLY	
76000823	AC power supply - standard temperature, universal plugs (US, EU, UK, AU) to 12 VDC - 2.1 mm locking barrel plug

*Available accessories not included unless otherwise noted. AC power supply (76000823) is included with PortServer TS 1/2/4 models.

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