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)

APPLICATION EXAMPLE

IP ENABLING SERIAL RETAIL/POS EQUIPMENT

PC SERVER

Ethernet

PORTSERVER® TS

Bar-code Scanner

RS-232

Credit Card Reader

RELATED PRODUCTS

PortServer® TS MEI

ConnectPort® TS

ConnectPort® LTS

Digi One® SP

Cables

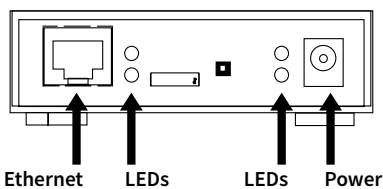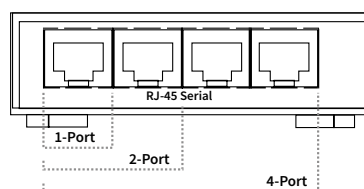| SPECIFICATIONS	PortServer TS 1	PortServer TS 2	PortServer TS 4
FEATURES			
MANAGEMENT	HTTP/HTTPS, CLI, SNMP (read/write), Digi Port Authority-Remote management diagnostics and auto-discovery tool		
PROTOCOLS	UDP/TCP, DHCP/RARP/ARP-Ping for IP Address assignment, PPP, Extended Telnet RFC 2217, Telnet, 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)	5.25 in x 3.33 in x 0.95 in (13.34 cm x 8.46 cm x 2.42 cm)		
WEIGHT	189 g (6.67 oz)		
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

Ethernet   LEDs   LEDs   Power

PORTSERVER TS FAMILY - BACK

RJ-45 Serial

1-Port
2-Port
4-Port

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

For a full list of accessories, visit www.digi.com