



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.

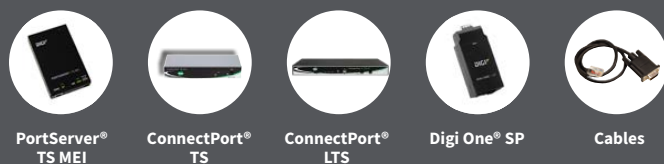
PortServer TS is easy to install locally or remotely through a variety of IP addressing methods (DHCP, RARP, ARP-Ping) along with an application included on the installation CD that will automatically detect all PortServer devices on your network.

*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.

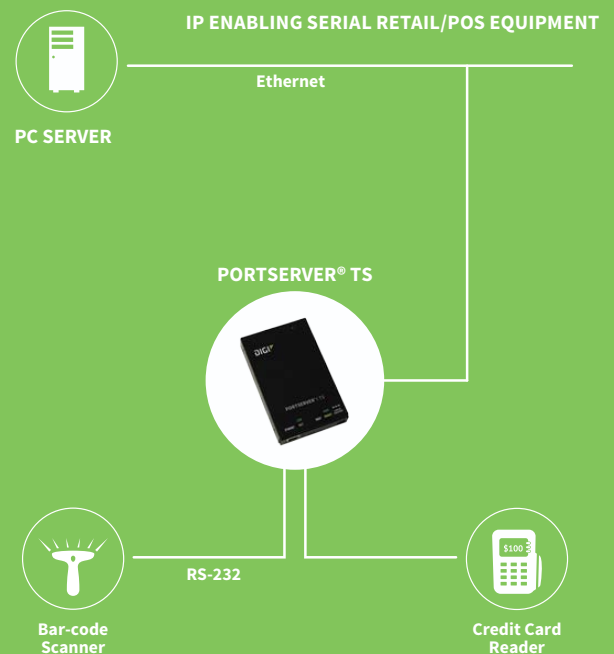
BENEFITS

- 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



APPLICATION EXAMPLE



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 throughput; signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD	2 RS-232 RJ-45; Up to 230 kbps throughput; signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD	4 RS-232 RJ-45; Up to 230 kbps throughput; signal support for TXD, RXD, RTS, CTS, DTR, DSR, DCD
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ETHERNET

PORTS	1 RJ-45 10/100 Mbps 10/100Base-T (auto-sensing); full or half duplex
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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

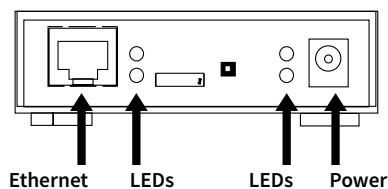
ENVIRONMENTAL

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

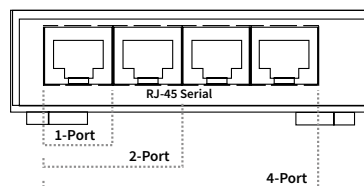
APPROVALS

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	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



909 Ridgebrook Road., Sparks, Maryland 21152, USA
 TEL : +1-410-583-1701 FAX : +1-410-583-1704
 E-mail: sales@pulsesupply.com
<https://www.pulsesupply.com/digi-products>

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