

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 AIX, HP-UX, Solaris, Linux, Windows 2000, Windows XP, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2003, Windows Server 2008 and Windows Server 2012. The RealPort authentication feature is compatible only with Windows 2000, Windows XP, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2003, Windows Server 2008 and Windows Server 2012.

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 ME1



ConnectPort®
TS



ConnectPort®
LTS



Digi One® SP



Cables

APPLICATION EXAMPLE



PC SERVER

IP ENABLING SERIAL RETAIL/POS EQUIPMENT

Ethernet

PORTSERVER® TS



RS-232



Bar-code
Scanner



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	AIX, HP-UX, Solaris, Linux, Windows 2000, Windows XP, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2003, Windows Server 2008, Windows Server 2012. 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	2.25 oz (64.00 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 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)	North America: 12 VDC/.5A max out; 120 VAC in (wall mount); International: 12 VDC/.5A max out; 100-240 VAC in (small brick)
POWER SUPPLY (OPTIONAL)	12VDC 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

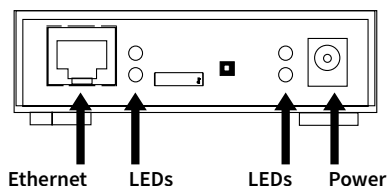
ENVIRONMENTAL

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)	15kV Human Body Model

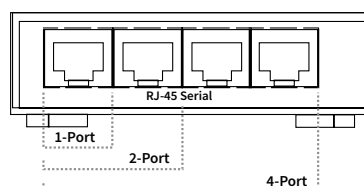
APPROVALS

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
70002042	PortServer TS 1 (International)
70002043	PortServer TS 2
70002044	PortServer TS 2 (International)
70002045	PortServer TS 4
70002046	PortServer TS 4 (International)