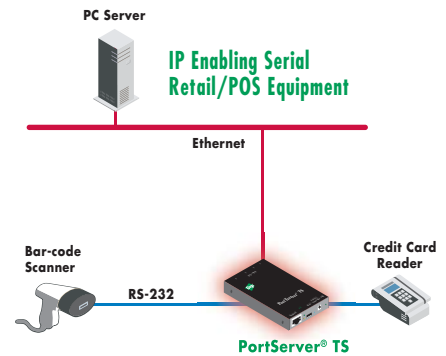


# PortServer® TS 1/2/4

Device Server



PortServer TS device servers are designed for standard and secure serial-to-Ethernet connectivity. They are ideal for RS-232 applications requiring seamless integration to existing application environments and network device management.



## Features/Benefits

- > Easily network-enable multiple serial devices
- > RS-232 provides an easy connection to any serial device
- > Digi's patented RealPort for COM or TTY port control and management
- > Management and diagnostic utility for simple and efficient device monitoring and troubleshooting
- > Modem emulation allows existing modem-based applications to make connections over IP networks
- > Secure communication via SSH v2
- > Port buffering for data capture
- > Easy configuration through web interface (HTTP/HTTPS)
- > SNMP for easy network management
- > PPP support
- > Tunable for low latency or optimized throughput

## Overview

The PortServer TS delivers simple, reliable and cost-effective network connectivity for multiple serial devices. Available in one-, two- and four-port models, it addresses the growing need to connect individual devices to the network over industry standard Ethernet in many applications, including retail/point-of-sale, building control and medical point-of-care.

Part of Digi's broad device server offering, the PortServer TS delivers standard serial-to-Ethernet connectivity and is ideal for applications requiring COM ports, serial tunneling, TCP or UDP Sockets, or the ability to send UDP packets to multiple destinations. Digi's RealPort® technology, which features encryption and user authentication\*, delivers the industry's most robust, reliable and versatile COM port control and management. RealPort 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.

The 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.

Digi International makes device networking easy by developing products and technologies that are cost-effective and easy to use. With over 20 million ports shipped worldwide, Digi has been offering the highest levels of performance, flexibility, and quality since 1985.

\*The RealPort encryption feature works with the following operating systems: AIX, HP UX, Linux, Windows XP, Windows 2000, Windows Server 2003, SCO OpenServer and Solaris. The RealPort authentication feature is compatible only with Windows XP, Windows 2000 and Windows Server 2003.



# Features/Specifications

## FEATURES

- 10/100Base-T Ethernet support
- 1/2/4 RS-232 RJ-45 serial ports
- Baud rates up to 230 Kbps
- Full modem and hardware flow control
- TCP/UDP Socket Services
- Telnet and Reverse Telnet
- Patented RealPort with encryption for COM and TTY ports
- 9-30VDC input
- RFC 2217
- Modem emulation
- SNMP (read/write)
- PPP
- SSH v2
- Port buffering
- Modbus to Modbus/TCP conversion
- Easy configuration through web interface (HTTP/HTTPS)
- Digi Port Authority – Remote management diagnostics and auto-discovery tool
- DHCP/RARP/ARP-Ping for IP Address assignment
- LED status for link and power
- RJ-45/DB-9F crossover cable included for optional serial configuration

## OPERATING SYSTEMS

- AIX
- HP-UX
- Linux
- Windows® XP\*
- Windows 2000\*
- Windows Server™ 2003\*
- Windows NT®
- Windows 98/ME
- SCO® OpenServer™
- SCO UnixWare™
- Solaris™ (Intel)
- Solaris (SPARC)
- TCP/UDP Socket Services are operating system independent



## POWER REQUIREMENTS

- Ships with 100/240VAC at 12VDC @ 0.4 Amps max
  - Will accept 9-30VDC @ 0.5 Amps max
  - Surge protection (with included power supply)
    - 4 kV burst (EFT) per EN61000-4-4
    - 2 kV surge per EN61000-4-5
- Note: North America part numbers ship with a wall mount power supply; International part numbers ship with a brick style power supply

## ENVIRONMENTAL

- Operating temperature: 0° C to 60° C (32° F to 140° F)
- Relative humidity: 5% to 90% (non-condensing)
- Ethernet Isolation: 1500VAC min per IEEE 802.3/ANSI x 3.263
- Serial Port Protection (ESD): +15 kV Air 6 AP and +8 kV contact discharge per IEC 1005-4-2



## REGULATORY APPROVALS

- FCC Part 15, A
- CE
- 55034
- 55022, Class A
- UL 1950
- CSA 22.2 No. 950

## DIMENSIONS

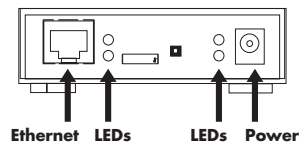
- Length: 5.25 in (13.34 cm)
- Width: 3.33 in (8.46 cm)
- Depth: 0.95 in (2.42 cm)
- Weight: 2.25 oz (64.00 g)

## MODEL.....PART NUMBERS

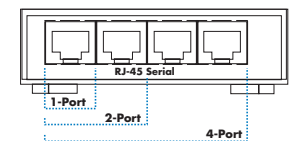
Model	North America	International
PortServer TS 1	70002041	70002042
PortServer TS 2	70002043	70002044
PortServer TS 4	70002045	70002046
<b>Accessories</b>		
Wall-Mount Bracket	76000640	76000640
DIN Rail Bracket	76000682	76000682
Power Supply	76000688	76000654

See product catalog for cabling/connector options.

PortServer TS Family - Front



PortServer TS 1/2/4 - Back



## DIGI SERVICE AND SUPPORT

You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty. [www.digi.com/support](http://www.digi.com/support)

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