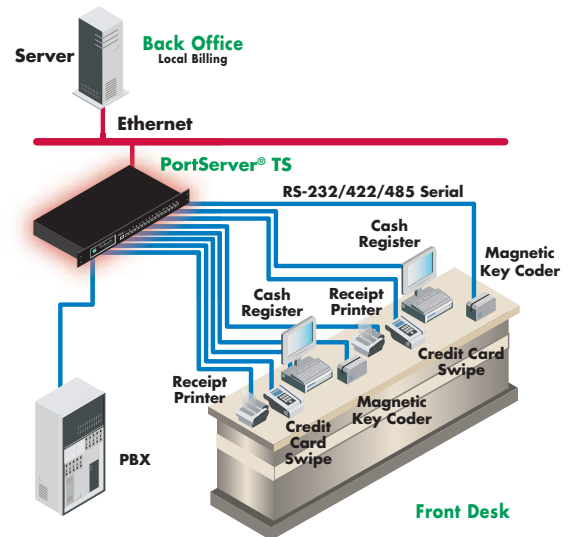


# PortServer® TS 8/16

Terminal Server



PortServer TS 8 and PortServer TS 16 deliver reliable and cost-effective RS-232/422/485 serial-to-Ethernet connectivity, with a robust feature set for efficient device management.



## Features/Benefits

- > Cost-effective eight- or 16-port RS-232/422/485 serial-to-network connectivity
- > SSH v2 ensures encrypted connections
- > RealPort with encryption provides local serial port functionality and SSL-based protection for additional security
- > Ports may be shared between multiple hosts running different operating systems
- > Supports SNMP for easy network management
- > Supports RADIUS authentication and accounting
- > NEBS Level III certified in a system

## Overview

The PortServer TS family of terminal servers delivers intelligent, reliable and cost-effective RS-232/422/485 serial-to-Ethernet connectivity. PortServer TS 8 (8 serial ports) and PortServer TS 16 (16 serial ports) support data center console port management applications, as well as property management, point-of-sale, data acquisition, industrial automation, power utilities, travel reservations and other applications requiring serial-to-IP connectivity.

PortServer TS solutions offer the most robust feature set on the market. Digi's patented RealPort® technology makes it possible to establish a connection between the host and a networked serial device by creating a local COM or TTY port on the host computer, allowing existing software applications to work without modification. Incoming/outgoing Rlogin and Telnet sessions on each port give equipment and system administrators a high level of control over networked serial devices. Other features include Secure Shell (SSH v2) encryption to protect against unauthorized network monitoring or "sniffing," and port buffering, which allows network administrators to easily capture vital information for troubleshooting.

A variety of management tools are supplied with the PortServer TS product family, including Digi Port Authority-Remote and the Digi web management console. Functions including IP assignment, diagnostics and guided configuration make the product easy to install and use.

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.



# Features/Specifications

## FEATURES

- 10/100 Mbps Ethernet
  - RS-232 serial ports; MEI versions have software selectable RS-232/422/485 ports
  - 8/16 ports
  - DHCP, RARP and ARP-Ping
  - HTTP for easy browser configuration
  - Telnet, Reverse Telnet, Rlogin and auto-connect
  - Up to 9 Telnet or Rlogin sessions per port
  - TCP and UDP Socket support
  - Password access
  - PPP (PAP & CHAP)
  - Line Printer Daemon (LPD)
  - SNMP (read and write)
  - DPA-Remote for easy monitoring
  - Easy firmware upgrades via TFTP
  - Save/Restore configuration to host
  - 230 Kbps throughput on all ports
  - Full modem and hardware flow control
  - RADIUS
  - SSH v2 available on all ports simultaneously
  - Port buffering up to 64 Kbps per port
  - Select models include mounting brackets
- PortServer TS 16 Enterprise**
- Rack mountable unit with all power/serial connectors on front panel

## OPERATING SYSTEMS

- AIX
- HP-UX
- Linux
- Windows® XP, Windows 2000, Windows Server™ 2003, Windows 98, Windows ME, Windows NT®
- NCR UNIX MP-RAS
- SCO® OpenServer™
- SCO UnixWare™
- Solaris™ (Intel)
- Solaris (SPARC)



## DIMENSIONS

- PortServer TS 8**
- Length: 8.30 in (21.08 cm)
  - Width: 3.70 in (9.40 cm)
  - Depth: 1.00 in (2.54 cm)
  - Weight: 3.05 lbs (1.39 kg)
- PortServer TS 16**
- Length: 13.40 in (34.04 cm)
  - Width: 6.60 in (16.76 cm)
  - Depth: 1.40 in (3.60 cm)
  - Weight: 5.30 lbs (2.40 kg)
- PortServer TS 16 Rack, PortServer TS 8/16 MEI**
- Length: 16.80 in (42.70 cm)
  - Width: 6.60 in (16.76 cm)
  - Depth: 1.60 in (4.06 cm)
  - Weight: 7.05 lbs (3.20 kg)

## REALPORT SOFTWARE

- Local emulation of UNIX TTY and Microsoft COM ports
- Transparent printing under UNIX
- Single TCP/IP connection per PortServer reduces Ethernet traffic and minimizes host CPU utilization
- RealPort with encryption provides security

## REGULATORY APPROVALS

- PortServer TS 8, PortServer TS 8/16 MEI**
- FCC Part 15, Subpart B, Class A
  - EN55022, Class A
  - EN55024
  - EN61000-3-2,3
  - UL60950
  - CAN/CSA C22.2 No. 60950
  - EN60950
- PortServer TS 16**
- FCC Part 15, Subpart B, Class B
  - EN55022, Class B
  - EN55024
  - EN61000-3-2,3
  - UL60950
  - CAN/CSA C22.2 No. 60950
  - EN60950

## POWER REQUIREMENTS

- PortServer TS 8**
- External, 100-240VAC, 50/60 Hz, 6 W typ.
- PortServer TS 16 desktop and rack, PortServer TS 16 MEI**
- Internal, 100-250VAC, 50/60 Hz, 12 W typ.
- PortServer TS 16 48VDC**
- Internal 36-72VDC, 12 W typ.
- PortServer TS 8 48VDC**
- External 36-72VDC, 6 W typ.

## ENVIRONMENTAL

- Operating temperature: 0° C to 55° C (32° F to 130° F)
- Relative humidity: 5% to 95% (non-condensing)

## MODEL.....PART NUMBERS

Model	North America	International
PortServer TS 8 - RS-232	70001734	70001741
PortServer TS 8 MEI - RS-232/422/485, 19" rack mountable	70001979	70001981
PortServer TS 8, 48VDC - RS-232, DC power	70001885	70001885
PortServer TS 16 - RS-232	70001733	70001738
PortServer TS 16 MEI - RS-232/422/485, 19" rack mountable	70001978	70001980
PortServer TS 16 Rack - RS-232, 19" rack mountable	70001742	70001743
PortServer TS 16 Rack, 48VDC - RS-232, DC power, 19"/23" rack mountable	70001747	70001747
PortServer TS 16 Enterprise Rack - RS-232, 19" rack mountable	70001928	70001929

See <http://www.digi.com> for additional cable converters.

## DIGI PORT AUTHORITY-REMOTE

- Remote monitoring application
- Ports status
- Ethernet status

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