

# PortServer® TS 8/16

Serial Servers

Reliable, cost-effective serial-to-network connectivity.



## Overview

PortServer TS 8/16 serial servers deliver intelligent, reliable and cost-effective RS-232/422/485 serial-to-Ethernet connectivity. They 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 8/16 incorporates Digi's patented RealPort® COM port redirection software, which provides local serial port functionality. Incoming and outgoing Rlogin and Telnet sessions are also supported on each port. Digi Port Authority - Remote (DPA-Remote) gives users a management tool for monitoring network and serial activity from a Windows or UNIX-based client or server.

In addition, PortServer TS 8/16 serial servers provide SSHv2 encryption to protect against unauthorized monitoring of LAN traffic and port buffering to capture vital information from the serial ports of managed UNIX servers for problem resolution.

### Target Applications



Retail/POS



Utilities

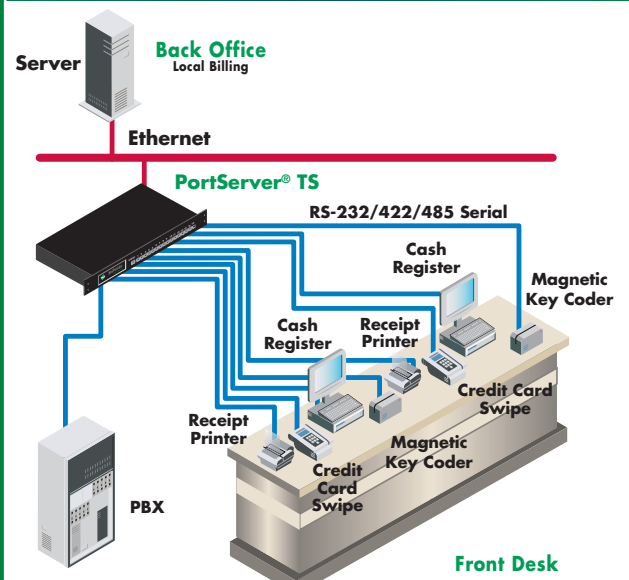


Industrial Automation



Data Center Management

### Application Highlight



### Features/Benefits

- 8 or 16 RS-232 or software selectable RS-232/422/485 serial ports
- Cost-effective serial-to-network connectivity
- SSHv2 ensures encrypted connections
- RealPort with encryption provides SSL-based protection
- Ports may be shared between multiple hosts running different operating systems
- Supports SNMP for easy network management and RADIUS for authentication and accounting
- NEBS Level III certified in a system



Specifications		PortServer® TS 8/16 and 8, 48VDC	PortServer® TS 8/16 MEI	PortServer® TS 16 Rack and 16 Enterprise Rack	PortServer® TS 16 Rack, 48VDC
<b>Features</b>					
Management	HTTP/HTTPS, CLI, Digi Port Authority-Remote management diagnostics and auto-discovery tool				
Protocols	UDP/TCP, DHCP/RARP/ARP-Ping for IP Address assignment, PPP (PAP & CHAP), Extended Telnet RFC 2217, Telnet, Reverse Telnet, R-login, Auto-connect				
Security	SNMP (read/write), SSHv2, RADIUS, Line Printer Daemon (LPD)				
Software	Device-initiated patented RealPort® COM port redirector				
Status LEDs	Link, Power				
Operating Systems	AIX, HP-UX, Linux®, SCO® OpenServer™ 5, SCO® OpenServer™ 6, Solaris™ Intel, Solaris™ SPARC, Windows XP®, Windows Server® 2003, Windows Server® 2008, Windows Vista®				
Dimensions (L x W x H)	8-port: 8.30 in x 3.70 in x 1.00 in (21.08 cm x 9.40 cm x 2.54 cm) 16-port: 13.40 in x 6.60 in x 1.40 in (34.04 cm x 16.76 cm x 3.60 cm)	16.80 in x 6.60 in x 1.60 in (42.70 cm x 16.76 cm x 4.06 cm)			
Weight	8-port: 3.05 lb (1.39 kg) 16-port: 5.30 lb (2.40 kg)	7.05 lb (3.20 kg)			
Other	Mounting brackets included on some models, Rack-mountable unit with all power/serial connectors on front panel (PortServer TS 16 Enterprise only), Full modem and hardware flow control, Port buffering up to 64 Kbps per port, Easy firmware upgrades via TFTP, Save/Restore configuration to host, Up to 9 Telnet or Rlogin sessions per port				
<b>Interfaces</b>					
<b>Serial</b>					
Ports	8 or 16 RS-232	8 or 16 RS-232/422/485 RJ-45 (switch selectable)	16 RS-232	8 or 16 RS-232 RJ-45	
Throughput	Up to 230 Kbps				
Signal Support	TXD, RXD, RTS, CTS, DTR, DSR and DCD				
<b>Ethernet</b>					
Ports	10/100Base-T 10/100 Mbps; Full or Half duplex				
<b>Power Requirements</b>					
Power Input	8-port: External, 100-240VAC, 50/60 Hz 8-port, 48VDC: External 12VDC to 48V power converter 16-port: Internal, 100-250VAC, 50/60 Hz	Internal, 100-250VAC, 50/60 Hz	Internal, 100-250VAC, 50/60 Hz	Internal dual power supplies, 36-72VDC	
Power Consumption	8-port: 6 W typical 16-port: 12 W typical	8-port: 6 W typical 16-port: 12 W typical		8-port: 6 W typical 16-port: 12 W typical	
<b>Environmental</b>					
Operating Temperature	0° C to 55° C (32° F to 130° F)				
Relative Humidity	5% to 95% (non-condensing)				
Serial Port Protection (ESD)	+15 kV human body model				
<b>Approvals</b>					
Safety	8-port models and 16-port MEI model: UL60950; CAN/CSA C22.2 No. 60950; EN60950 All other 16-port models: UL60950; CAN/CSA C22.2 No. 60950; EN60950				
Emissions/Immunity	8-port models and 16-port MEI model: FCC Part 15, Subpart B, Class A; EN55022, Class A; EN55024; EN61000-3-2,3; All other 16-port models: FCC Part 15, Subpart B, Class B; EN55022, Class B; EN55024; EN61000-3-2,3;				

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