

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

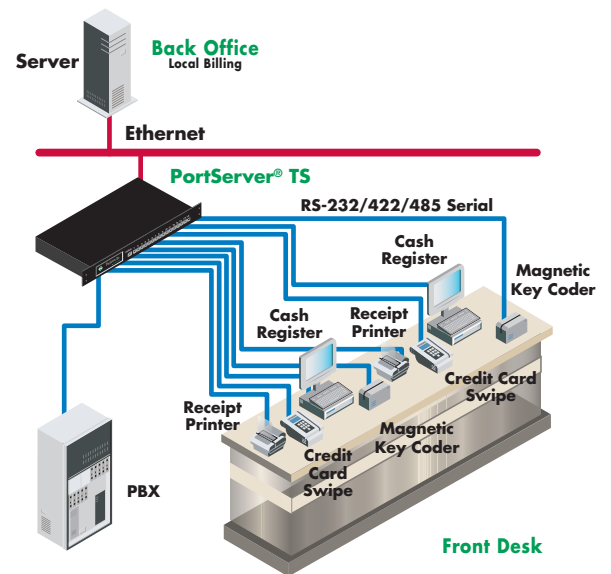


Industrial Automation



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 with socket connections, not RealPort
- Supports SNMP for easy network management and RADIUS for authentication and accounting
- NEBS Level III certified in a system



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| Specifications | PortServer® TS 16 Desktop, TS 8, TS 8 48VDC | PortServer® TS 8/16 MEI | PortServer® TS 16 Rack, TS 16 Enterprise Rack | PortServer® TS 16 Rack 48VDC |
|------------------------------|---|--|---|---|
| Features | | | | |
| 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 | | | |
| Interfaces | | | | |
| Serial | | | | |
| 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 | | | |
| Ethernet | | | | |
| Ports | 10/100Base-T 10/100 Mbps; Full or Half duplex | | | |
| Power Requirements | | | | |
| Power Input | 8-port: External, 100-240VAC, 50/60 Hz 8-port, 48VDC: External 48VDC to 12VDC power converter 16-port: Internal, 100-250VAC, 50/60 Hz | Internal, 100-250VAC, 50/60 Hz | | Internal dual feed power supply, 36-72VDC |
| Power Consumption | 8-port: 6 W typical 16-port: 12 W typical | | 12 W typical | |
| Environmental | | | | |
| Operating Temperature | 0° C to 50° C (32° F to 122° F) | | | |
| Relative Humidity | 5% to 95% (non-condensing) | | | |
| Serial Port Protection (ESD) | +15 kV human body model | | | |
| Approvals | | | | |
| Safety | 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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