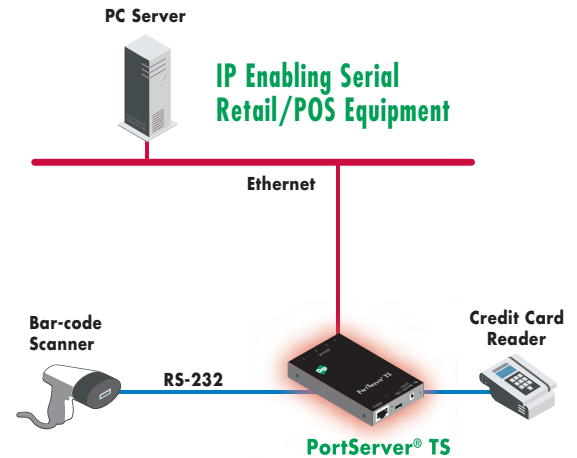




PortServer TS device servers are designed for standard and secure serial-to-Ethernet connectivity. They are ideal for RS-232 applications requiring seamless integration to existing application environments and network device management.



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 SSHv2
- 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, or where TCP/UDP socket or multiple unicast functionality is needed. 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.

*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
- SSHv2
- 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

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
Accessories		
Wall-Mount Bracket	76000640	76000640
DIN Rail Bracket	76000682	76000682
Replacement Power Supply (wall mount)	76000737	N/A
Replacement Power Supply (small brick)	76000654	76000654

See product catalog for cabling/connector options.

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



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 and 8 kV contact

REGULATORY APPROVALS

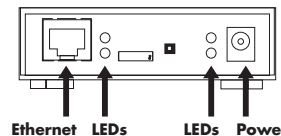
- FCC Part 15, A
- CE
- 55034
- 55022, Class A
- UL 1950
- CSA 22.2 No. 950

POWER REQUIREMENTS

- Power supply included
- **North America**
12VDC/.5A max out; 120VAC in (wall mount)
- **International**
12VDC/.5A max out; 100-240VAC in (small brick)
- Product will accept 9-30VDC
- Power Consumption
 - Typical: 4W
 - Max: 6W
- Surge Protection (with included power supply)
 - 4 kV burst (EFT)
 - 2 kV surge



PortServer TS Family - Front



PortServer TS 1/2/4 - Back

