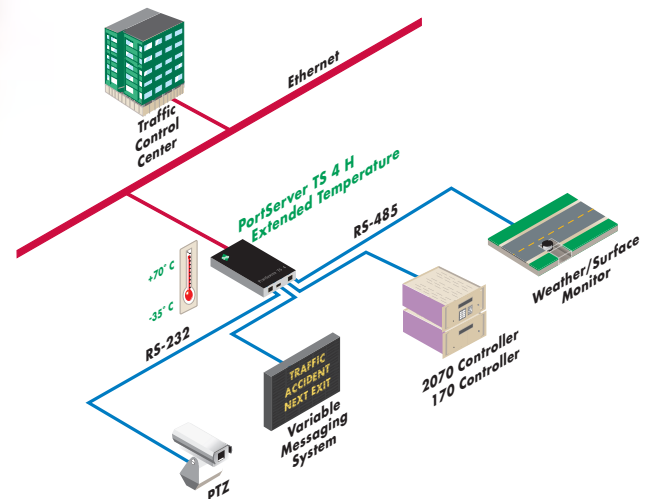


# Digi TS H Family

Extended Temperature Device Servers



The Digi TS H family of device servers delivers high-performance serial-to-Ethernet connectivity and is designed specifically for environments that require extended operating ambients of -35° C to +70° C, such as traffic management, pipelines and other remote applications.



## Features/Benefits

- > Robust, hardened model with extended temperature range of -35° C to +70° C
- > Easily network-enable virtually any serial device
- > RS-232/422/485 switch selectable on Port 1, RS-232 on all other ports
- > Patented Digi RealPort® technology for COM or TTY port control and management
- > Monitoring and diagnostic utility for simple and efficient device monitoring and troubleshooting
- > Data security via SSH v2 and SSL/TLS
- > Port buffering for data capture
- > Easy configuration through web interface (HTTP)
- > Industry leading low latency
- > 9-30vDC power with bare-wire "pigtail" for direct connection

## Overview

The Digi TS H family makes it easy to connect one to four serial devices to your network, even in locations requiring extended operating ambient temperatures. It combines the inherent benefits of data networking with proven asynchronous connectivity to deliver powerful yet simple Ethernet connectivity for all your serial devices.

Part of Digi's broad device server offering, the Digi TS H delivers universal, high-performance serial-to-Ethernet connectivity and is ideal for applications requiring COM ports, serial tunneling, or where TCP Socket, UDP Socket or UDP Multicast functionality is needed. RealPort technology 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.

The Digi TS H also delivers powerful features such as data security via SSH v2, SSL/TLS, port buffering and full SNMP management. For added flexibility, it is available in one-, two- and four-port versions, with RS-232/422/485 switch-selectable on Port 1 and RS-232 on all other ports.

The Digi TS H 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 Digi devices on your network. Also included is a quick-start guide that makes configuration of the product hassle-free.

Digi International, the leader in Connectware, 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.



Connectware™

# Features/Specifications

## FEATURES

- 10/100Base-T Ethernet support
- RJ-45 serial port
- RS-232/422/485 switch selectable on Port 1; RS-232 only on Ports 2-4
- Baud rates up to 230 Kbps
- Full modem and hardware flow control
- Low latency
- TCP/UDP Socket Services
- UDP Multicast
- Telnet and Reverse Telnet
- Patented RealPort technology for COM and TTY ports
- PPP
- SSH v2 server
- SSL/TLS
- Port buffering
- Modbus to Modbus/TCP conversion
- HTTP
- SNMP (read/write)
- Digi Port Authority – Remote management diagnostics and auto-discovery tool
- DHCP/RARP/ARP-Ping for IP address assignment
- 9-30vDC input
- LED status for link and power
- RJ-45/DB-9F crossover cable included for configuration
- Bare-wire "pigtail" power connector

## OPERATING SYSTEMS

- AIX 32 & 64 – encrypted
- Compaq Tru 64
- HP-UX
- Linux – encrypted
- Windows® 98, ME
- Windows XP
- Windows Server™ 2003
- Windows 2000
- Windows NT® 4.0
- SCO® OpenServer™ – encrypted
- SCO UnixWare™
- Solaris™ (Intel)
- Solaris (SPARC)
- TCP/UDP Socket Services are operating system independent



## REGULATORY APPROVALS

- FCC Part 15, A
- CE
- EN55024
- EN55022, Class A
- UL/CUL60950
- IEC60950 & CB
- AS/NZS 3548
- VCCI V-3/99 .05

## POWER REQUIREMENTS

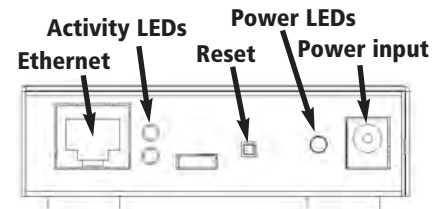
- 9-30vDC @ 0.5 Amps max, extended temp power supply available

## DIMENSIONS

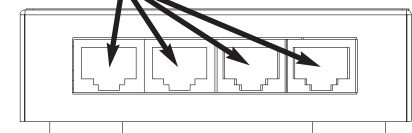
- Length: 5.42 in (13.31 cm)
- Width: 3.33 in (8.46 cm)
- Depth: 0.952 in (2.42 cm)
- Weight: 2.25 oz (64.0 g)

## ENVIRONMENTAL

- Ambient temperature: -35° C to +70° C (-31° F to +158° F)
- Relative Humidity: 5% – 90% (non-condensing)
- Ethernet isolation: 1500vAC min per IEEE 802.3/ANSI +3.263
- Serial port protection (ESD): +15Kv air GAP and +8Kv contact discharge per IEC 100-4-2



## RJ-45 serial ports



PortServer TS 4 H

## MODEL.....PART NUMBERS

Model	North America	International
Digi One TS H - 1 port	70001917	70001917
Port Server TS 2 H - 2 ports	70001918	70001918
Port Server TS 4 H - 4 ports	70001919	70001919
Extended Temperature Power Supply	76000717	76000717

\*RS-232/422/485 Port 1, all other ports RS-232