

# Digi One TS/RealPort/SP

**High-  
Performance,  
Cost-Effective  
Device Server**



- > Network enable virtually any serial device
- > Support for Telnet and Reverse Telnet
- > Compact and mini form factors
- > Supports 802.3af Powered Ethernet
- > Up to 230 Kbps baud
- > Easy installation and configuration
- > Available for EIA-232, EIA-422 and EIA-485 applications

## Digi One™ TS/RealPort/SP Overview

The Digi One family of device servers delivers simple, reliable and cost-effective network connectivity for all your serial devices. The Digi One products address the growing need to connect individual devices to the network over industry-standard Ethernet connections in many applications -- especially in the building automation, retail/point-of-sale and medical markets.

The high-performance Digi One™ TS and Digi One RealPort allow you to connect serial devices simply and reliably to your Ethernet network. The Digi One TS features selectable EIA-232/422/485 device interfaces, Powered Ethernet (802.3af) support, and an expanded input voltage range of 9-30VDC. Both models provide 10/100Base-T network interface, DHCP, SNMP, HTTP, PPP, Modbus/TCP and Digi's patented RealPort® technology for COM or TTY port control and management.

The Digi One SP provides features tailored to meet specific application needs reliably and cost-effectively. It is

available in extended Telnet Server RFC 2217, TCP Server, TCP Client and UDP models.

The Telnet Server RFC 2217 model supports the RFC 2217 standard for COM port functionality and includes RFC 2217 software for use in Microsoft environments.

The Digi One SP TCP Server supports Telnet, Reverse Telnet and TCP Socket services. The Digi One SP TCP Client supports autoconnection to a server; this includes connecting to a Digi One SP TCP Server device for serial data tunneling applications.

The Digi One SP UDP supports socket service connections using UDP.

With over 20 million ports shipped worldwide, Digi International has been the leader in serial connectivity solutions offering the highest levels of performance, flexibility, and quality since 1985. Today, Digi is extending the boundaries of Connectware by providing simple, more reliable, and cost-effective solutions to network-enable all your serial devices.



**Connectware™**

## FEATURES

### Digi One Device Servers

- > Full modem and hardware flow control
- > Baud rates up to 230 Kbps
- > LED status for link and power

### Digi One RealPort/Digi One TS

- > 10/100 Base-T Ethernet support
- > RJ-45 serial port
- > DHCP/RARP/ARP-Ping for IP Address assignment
- > Telnet and Reverse Telnet
- > SNMP (read/write)
- > Digi Port Authority – Remote management diagnostics tool
- > Patented RealPort technology for COM and TTY ports
- > HTTP
- > Modbus TCP
- > PPP

### Digi One TS only

- > EIA-232/422/485 switch selectable
- > Powered Ethernet (802.3af)
- > 9 - 30VDC

### Digi One SP

- > 10Base-T Ethernet support
- > DB-9 serial connector
- > AC or Powered Ethernet models
- > Firmware loads for specific applications
  - > RFC 2217
  - > TCP Server
  - > TCP Client
  - > UDP

## REGULATORY APPROVALS

### Digi One RealPort

- > FCC Part 15, B
- > CE
- > ICES-003, B
- > EN55022, B
- > EN50082-2
- > UL 1950
- > CSA 22.2 No 950
- > EN 60950
- > AS3548

### Digi One SP/Digi One TS

- > FCC Part 15, A
- > CE
- > EN5024-1
- > EN 50082-1
- > UL 1950
- > CSA 22.2 No 950

## ENVIRONMENTAL

- > Ambient temperature: 0°C to 60°C (32°F to 140°F)
- > Relative humidity: 5% to 90% (non-condensing)

## MODEL/PART NUMBERS

### Model/Part Numbers

#### Digi One TS

#### Digi One RealPort

#### Digi One SP

- > Digi One SP RFC 2217
- > Digi One SP TCP Server
- > Digi One SP TCP Client
- > Digi One SP UDP

#### Digi One SP with Powered Ethernet

- > Digi One SP RFC 2217
- > Digi One SP TCP Server
- > Digi One SP TCP Client
- > Digi One SP UDP

### North America

70001805  
70001749

### International

70001832  
70001752

70001763  
70001780  
70001783  
70001786

70001764  
70001781  
70001784  
70001787

70001766  
Call  
Call  
Call

70001766  
Call  
Call  
Call

## POWER REQUIREMENTS

### Digi One RealPort

- > 110-230 VAC
- > 3.3 VDC @ .75 Amps max

### Digi One TS

- > 110-230 VAC
- > 9 - 30 VDC @ .5 Amps max
- > ships with 12 VDC @ .4 Amps max

### Digi One SP

- > 110-230 VAC
- > 5VDC @ .2 Amps max

### Digi One SP and Digi One TS with Powered Ethernet

- > 802.3 af (draft) compliant

## OPERATING SYSTEMS

### Digi One RealPort/Digi One TS

- > AIX
- > HP-UX
- > Linux
- > Microsoft® Windows XP®
- > Microsoft Windows 2000®
- > Microsoft Windows NT®
- > SCO® OpenServer™
- > SCO UnixWare™
- > Solaris™ (Intel)
- > Solaris (SPARC)

### Digi One SP RFC 2217 models

- > Microsoft® Windows 95/98/ME
- > Microsoft Windows 2000®
- > Microsoft Windows NT®
- > And any other application or operating system supporting RFC 2217

## DIMENSIONS

### Digi One RealPort/Digi One TS

- > Length: 5.42 in (13.31 cm)
- > Width: 3.33 in (8.46 cm)
- > Height: .952 in (2.42 cm)
- > Product weight: 2.25 oz (64 g)

### Digi One SP

#### (AC and Powered Ethernet models)

- > Length: 3.7 in (9.4 cm)
- > Width: 1.72 in (4.3 cm)
- > Height: .93 in (2.3 cm)
- > Weight: 2.29 oz (65 g)

## DIGI SERVICE AND SUPPORT

You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty.

### Digi International

11001 Bren Road E.  
Minnetonka, MN 55343  
U.S.A.  
PH: 877-912-3444  
952-912-3444  
FX: 952-912-4952

### Digi International GmbH

Joseph-von-Fraunhofer Str. 23  
D-44227 Dortmund  
Germany  
PH: +49-231-9747-0  
FX: +49-231-9747-111

### Digi International (HK) Limited

Suite 1101-02, 11/F  
K Wah Centre  
191 Java Road  
North Point  
Hong Kong  
PH: +852-2833-1008  
FX: +852-2572-9989

### Technical Support:

North America:  
PH: 952-912-3456

Europe:  
PH: (+49) 231 9747 780

email: info@digi.com

[www.digi.com](http://www.digi.com)



Connectware™