

# Digi One Family



- > Network enable virtually any serial device
- > Support for Telnet and Reverse Telnet
- > Supports RealPort
- > Easy configuration
- > Compact design
- > Supports powered Ethernet
- > Up to 230 Kbps throughput
- > Embedded and external solutions

## Digi One Overview

The Digi One™ Family of Single Port device servers delivers simple, reliable and cost effective network connectivity for serial devices. Digi One products provide cost effective TCP/IP network connectivity over industry-standard Ethernet connections and address the growing demand for single port device servers, especially in the industrial automation and embedded systems markets.

**Digi One RealPort** provides support for RealPort software plus manageability with SNMP. The RealPort software provides COM and TTY ports for one or multiple devices on the LAN or over a WAN. Digi One RealPort is easy to manage with the Digi Port Authority-Remote (DPA-Remote) management tool which supports most UNIX and Microsoft server or client applications.

**The Digi One Single Port** device server has a compact design, making it an ideal fit for point-of-sale, retail automation, industrial automation process control or data collection and many other markets.

**The Digi One PE** offers the industry's first powered Ethernet option (802.3 af), eliminating the need for an external power supply.

**The Digi One IA** was created to meet the specific requirements of the industrial automation market. The product features DIN-Rail mounting, EIA-232/422/485 switch selectability, DC voltage with screw termination or powered Ethernet, necessary environmental specifications and both 10Base-T or 10Base-FL models.

**The Digi One Embedded** device server is a highly specialized single component solution that combines fully transparent operation, including an IEEE 802.3 compliant Ethernet controller and a robust, onboard TCP/IP stack. The ultra compact DIL48 based design allows it to withstand the harsh conditions of commercial and industrial environments. Equipment manufacturers and systems integrators can now network-enable products with built-in serial interfaces at a fraction of the cost of a custom solution.

Single-Port  
Serial to  
Ethernet  
Connectivity



## FEATURES

### Digi One Device Servers

- > Full modem and hardware flow control
- > Supports RARP for IP assignment
- > Up to 230 Kbps throughput
- > LEDs status for link and power

### Digi One Realport

- > Telnet and Reverse Telnet
- > SNMP
- > RealPort for COM or TTY ports
- > 10/100 auto-sensing

### Digi One Single Port

- > DB-9 serial connector
- > 10Base-T
- > RFC 2217

### Digi One IA

- > DB-9 serial connector
- > 10Base-T or 10Base-FL
- > EIA-232/422/485 switch selectable
- > Powered Ethernet 802.3 af
- > DIN Rail
- > RFC 2217

### Digi One PE

- > DB-9 serial connector
- > Powered Ethernet 802.3 af
- > RFC 2217

### Digi One Embedded

- > Embedded TCP/IP stack
- > DIL48 Module
- > TTL serial interface
- > AUI/10Base-T interface support

## REGULATORY APPROVALS

### Digi One RealPort

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

### Digi One Single Port, IA an PE

- > CISPR 22
- > EN50082-1
- > CE 1801.3
- > EN61000-4.4
- > FCC/UL pending

## ENVIRONMENTAL

### Digi One IA

- > Ambient temperature: 32°F to 158°F (0°C to 70°C)
- > Storage temperature: -67°F to 257°F (-55°C to 125°C)

### Digi One RealPort, Single Port and PE

- > Ambient temperature: 41°F to 122°F (5°C to 50°C)

## MODEL/PART NUMBERS

### Model

Model	North America	International
Digi One RealPort	70001749	70001752
Digi One Single Port	70001763	70001764
Digi One IA - Fiber	70001774	70001774
Digi One IA - UTP	70001770	70001770
Digi One PE	70001766	70001766
Digi One Embedded	70001765	70001765

## POWER REQUIREMENTS

### Digi One RealPort

- > 10 - 230 VAC
- > 3.3 VDC

### Digi One Single Port

- > 230 VAC/9 VAC
- 8 VAC/DC - 20 VAC/VDC with micro 3.0

### Digi One IA

- > 9 - 24 VDC

### Digi One PE

- > 802.3 af (draft) compliant powered Ethernet

### Digi One Embedded

- > +5VDC +/-10% @ 250 mA

## DIMENSIONS

### Digi One RealPort

- > Length: 5.24 in. (13.31 cm)
- > Depth: .952 in. (2.42cm)
- > Width: 3.33 in. (8.46 cm)
- > Weight: 2.25 oz. (64 g)

### Digi One Single Port and PE

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

### Digi One IA : Call

### Digi One Embedded

- > Length: 2.42 in. (6.1 cm)
- > Depth: .51 in (1.3 cm)
- > Width: 1.14 in. (2.9 cm)
- > Pitch: .10 in. (.254 cm)

## OPERATING SYSTEMS

### Digi One RealPort

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

### Digi One Single Port, IA an PE

- > Microsoft Windows 95/98/Me
- > Microsoft® Windows 2000®
- > Microsoft® Windows NT®

For other operating systems software supporting RFC2217

## DIGI SERVICE AND SUPPORT

You can purchase with confidence knowing that Digi is here to support you with expert technical support, a strong five-year warranty and a 30-day money-back guarantee.

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