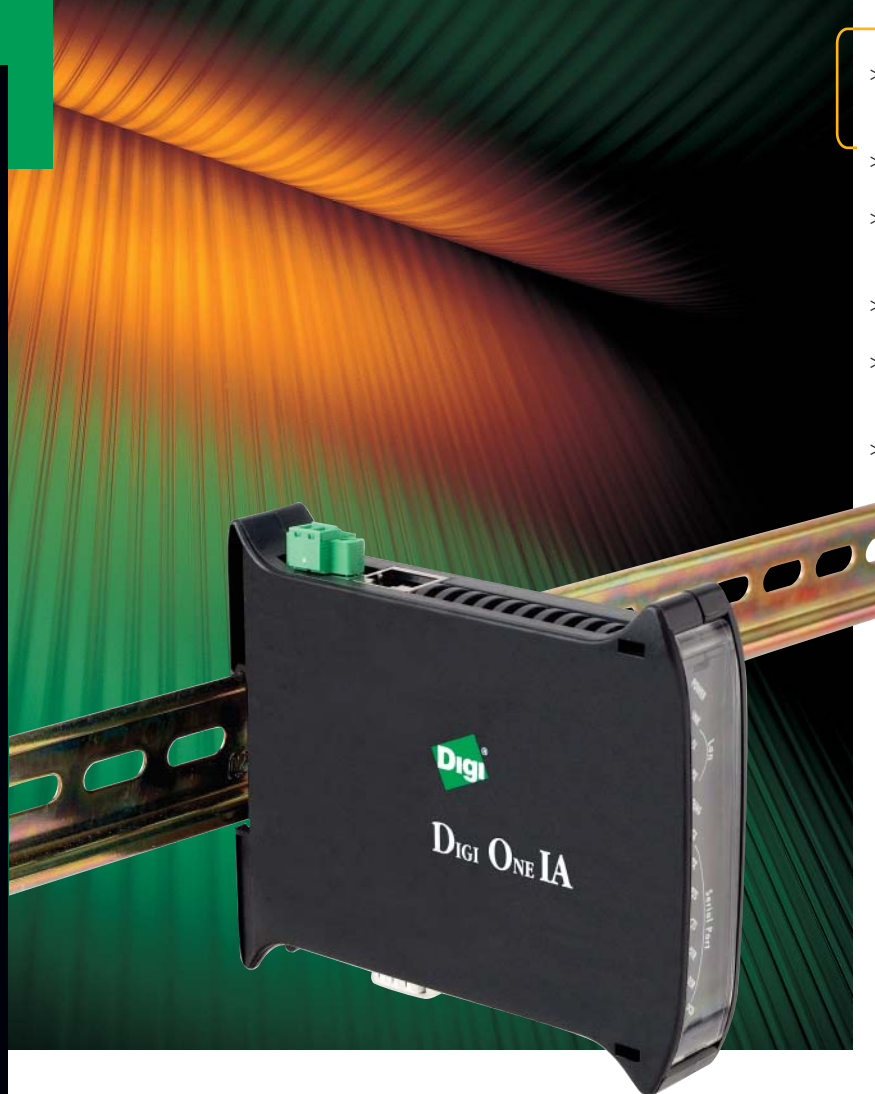


# Digi One IA

**High  
Performance  
Device Servers  
for the  
Industrial  
Automation  
Market**



- > Network-enable virtually any serial device
- > Industrial DIN Rail mounting
- > Supports 802.3af Powered Ethernet
- > Up to 230 Kbps baud
- > EIA-232/422/485 switch selectable
- > Easy installation and configuration

## Digi One™ IA Overview

The Digi One IA Family of device servers was created to meet the specific requirements of the industrial automation market. The Digi One IA family delivers simple, reliable and cost effective network connectivity for serial devices common in industrial automation environments and applications such as Programmable Logic Controllers (PLC), CNC/DNC equipment, process and quality control equipment, bar-code readers/scanners, operator displays, scales and weighing stations, printers, vision systems, and many other types of manufacturing equipment.

The product family features include an industrial strength, ergonomic enclosure designed to mount on a standard DIN rail, EIA-232/422/485 switch selectability for use with virtually any device with a serial port, expanded input voltage range of 9-30 Vdc with screw terminal connections or the industry's first powered Ethernet option (802.3af) that eliminates the need for an external power supply, and expanded environmental specifications to meet the demands of the factory floor.

The high-performance, flexible Digi One IA RealPort™ includes industrial operating temperatures, RealPort® technology, easy web-based configuration, multi-master capability and a complete serial and Modbus

MIB for easy management through SNMP and 10/100 Mbps Ethernet.

The Digi One IA RFC 2217, TCP Server and TCP Client models provide features tailored to meet specific application needs cost-effectively.

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

The Digi One IA UDP supports broadcast capabilities for easy migration from EIA-485 networking to Ethernet TCP/IP networking.

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 serial signals, power, Ethernet and diagnostics
- > DB-9 and screw terminal block serial port
- > Screw terminal block power jack
- > Powered Ethernet for fail-over
- > DIN Rail mounting

### Digi One IA RealPort

- > 10/100 Ethernet support
- > DHCP/RARP for IP Address assignment
- > Modbus TCP
- > Telnet and Reverse Telnet
- > SNMP (read/write)
- > Digi Port Authority – Remote management diagnostics tool
- > RealPort for COM and TTY ports
- > HTTP

### Digi One IA

- > 10Base-T Ethernet support
- > Firmware loads for specific applications
  - > RFC 2217
  - > TCP Server
  - > TCP Client
  - > UDP

## REGULATORY APPROVALS

### Digi One IA RealPort

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

### Digi One IA RFC 2217, TCP Server, TCP Client and UDP

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

## DIMENSIONS

### Digi One IA (all models)

- > Length: 4.7 in. (12 cm)
- > Depth: 4 in (10.1 cm)
- > Width: .9 in. (2.3 cm)
- > Weight: 2.25 oz (64 g)

## MODEL/PART NUMBERS

### Model/Part Numbers

- Digi One IA RealPort
- Digi One IA RFC 2217
- Digi One IA TCP Server
- Digi One IA TCP Client
- Digi One IA UDP

| North America | International |
|---------------|---------------|
| 70001777      | 70001777      |
| 70001763      | 70001764      |
| 70001780      | 70001781      |
| 70001783      | 70001784      |
| Call          | Call          |

## POWER REQUIREMENTS

### Digi One IA RealPort

- > 9-30 VDC @ .3 Amps max
- > Powered Ethernet is 30-60 VDC @.2 Amps max

### Digi One IA RFC 2217, TCP Server, TCP Client and UDP

- > 10 - 60 VDC @ .25 Amps max
- > Powered Ethernet is 10 - 60 VDC @ .25 Amps max

## OPERATING SYSTEMS

### Digi One IA RealPort

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

### Digi One IA – RFC 2217 models

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

## ENVIRONMENTAL

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

## 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.

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Connectware™