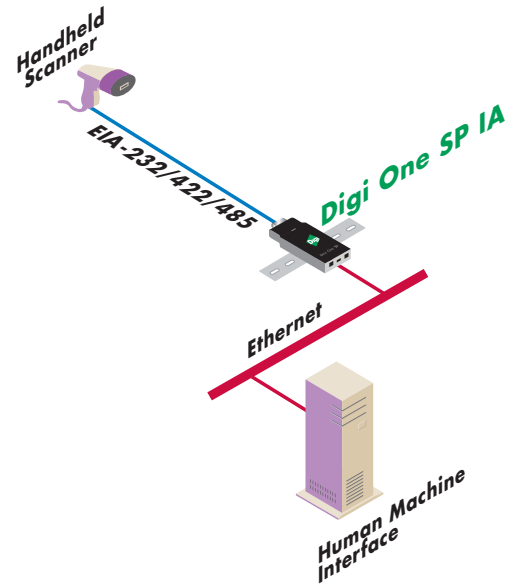


# Digi One™ SP IA

Device Server

The Digi One SP IA device server is designed for entry level EIA-232/422/485 serial-to-Ethernet connectivity for industrial automation applications.



## Features/Benefits

- > Patented Digi RealPort® technology for COM or TTY port control and management
- > Switch selectable EIA-232/422/485 for simple interfacing to any type of serial device
- > TCP/UDP Socket Services for broad device connectivity and application use
- > Easy configuration through Web interface (HTTP)
- > Modem emulation allows support for devices designed only for modem communications
- > DIN Rail and wall mount kits for flexible mounting options
- > 9-30 VDC power with bare-wire "pigtail" for direct connection included
- > RFC 2217 support

## Overview

The Digi One SP IA device server allows virtually any industrial device with a serial port to easily connect to the Ethernet. The compact device server features one EIA-232/422/485 DB-9 serial port, 9-30 VDC input and DIN Rail kit, making it an optimum solution for many industrial automation applications. The Digi One SP IA provides a reliable interface to OPC servers or to other IA equipment such as bar-code readers, scales or temperature sensors.

The Digi One SP IA supports most industrial automation protocols through serial tunnelling, TCP/UDP connections, or Digi's patented RealPort software. 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 existing software applications to work without modification.

The Digi One SP IA is easy to install locally or remotely through a variety of IP addressing methods, including DHCP, RARP, and ARP-Ping. Included on the installation CD is an application that will automatically detect all Digi One SP IA devices on your network. A quick-start guide is also provided to make network configuration easy and 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

- EIA-232/422/485 switch selectable
- DB-9M serial connector
- Baud rates up to 230 Kbps
- DIN Rail and wall mount kit
- 9-30 VDC input
- Bare-wire "pigtail" power connector
- Full modem and hardware flow control
- Modem emulation
- 10/100Base-T Ethernet support
- TCP/UDP Socket Services
- UDP Multicast
- Telnet and Reverse Telnet
- DHCP/RARP/ARP-Ping for IP address assignment
- HTTP configuration
- Patented RealPort technology for COM and TTY ports
- LED status for link and power

## OPERATING SYSTEMS

### RealPort drivers for COM/TTY support

- AIX
- HP-UX
- Linux
- Windows® 98/98SE
- Windows ME
- Windows XP
- Windows 2000
- Windows Server™ 2003
- Windows NT®
- SCO® OpenServer™
- SCO UnixWare™
- Solaris™ (Intel)
- Solaris (SPARC)

## MODEL.....PART NUMBERS

Model	North America	International
Digi One SP IA	70001999	70002000
<b>Accessories</b>		
DB-9F to DB-9F cross-over cable (4 ft.)	76000642	76000642
Replacement 120-240VAC input power supply (Domestic & International)	76000654	76000654

## POWER REQUIREMENTS

- Ships with a 110/240 VAC power supply that provides 12VDC @ 0.4 Amps max
- Input power supports 9-30VDC @ 0.5Amps max
- Additional bare-wire "pigtail" power connector included

## REGULATORY APPROVALS

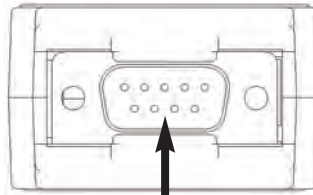
- FCC Part 15 Subpart B, Class A
- EN55022, Class A
- EN55024
- EN61000-3-2,3
- UL60950
- CAN/CSA C22.2 No.60950
- EN60950

## ENVIRONMENTAL

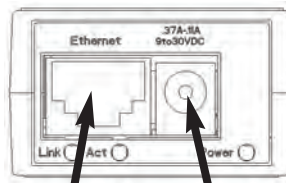
- Ambient temperature: 10° C to 45° C (50° F to 131° F)
- Relative humidity: 5% to 90% (non-condensing)

## DIMENSIONS

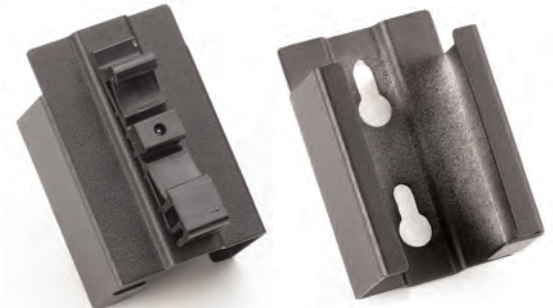
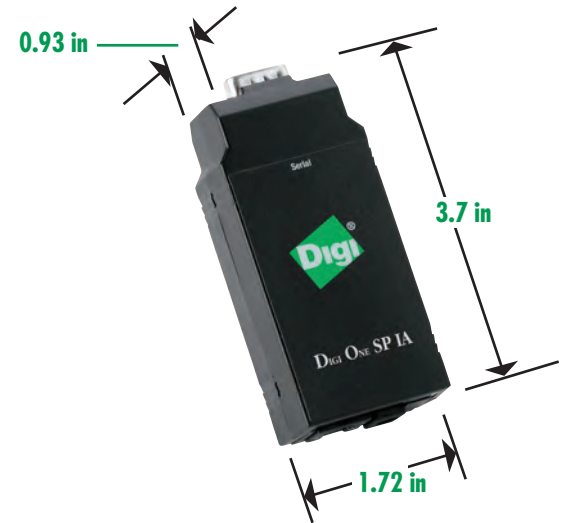
- Length: 3.7 in (9.4 cm)
- Width: 1.72 in (4.3 cm)
- Depth: 0.93 in (2.3 cm)
- Weight: 2.29 oz (65 g)



DB-9M connector



Ethernet Power



DIN Rail and wall mount brackets included