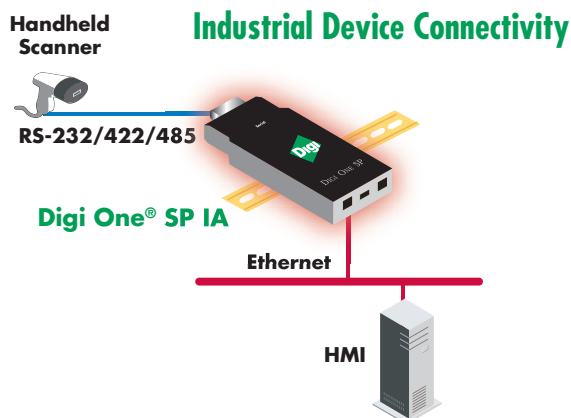# Digi One® SP IA

Device Server

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

Industrial Device Connectivity

Handheld Scanner

RS-232/422/485

Digi One® SP IA

Ethernet

HMI

Features/Benefits

- **Digi's patented RealPort® technology for COM or TTY port control and management**

- **Switch selectable RS-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**

- **9-30VDC 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 RS-232/422/485 DB-9 serial port, 9-30VDC 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.

Features/Specifications

FEATURES

- RS-232/422/485 switch selectable
- DB-9M serial connector
- Baud rates up to 230 Kbps
- DIN rail and wall mount kit
- 9-30VDC input
- Bare-wire "pigtail" power connector
- Full modem and hardware flow control
- Modem emulation
- 10/100Base-T Ethernet support
- TCP/UDP Socket Services
- Supports multiple unicasts
- 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)

POWER REQUIREMENTS

- Ships with a 110/240 VAC power supply that provides 12VDC @ 0.4 Amps max
- Input power supports 9-30VDC @ 0.5 Amps 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
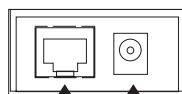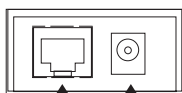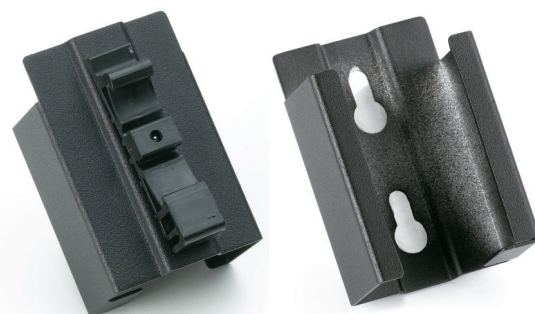- UL60950
- CAN/CSA C22.2 No.60950
- EN60950

Digi One SP IA - Back

Ethernet   Power

Digi One SP IA - Back

Ethernet   Power

ENVIRONMENTAL

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

DIMENSIONS

- Length: 3.70 in (9.4 cm)
- Width: 1.72 in (4.3 cm)
- Depth: 0.93 in (2.3 cm)
- Weight: 2.29 oz (65 g)

0.93 in   3.70 in   1.72 in

DIN rail and wall mount brackets included

MODEL . . . . PART NUMBERS

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

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. www.digi.com/support

When RELIABILITY Matters™

Digi International
11001 Bren Road E.
Minnetonka, MN 55343
U.S.A.
PH: 877-912-3444
       952-912-3444
FX: 952-912-4952
email: info@digi.com

Digi International France
31 rue des Poissonniers
92200 Neuilly sur Seine
PH: +33-1-55-61-98-98
FX: +33-1-55-61-98-99
www.digi.fr

Digi International KK
NES Building South 8F
22-14 Sakuragaoka-cho,
Shibuya-ku
Tokyo 150-0031, Japan
PH: +81-3-5428-0261
FX: +81-3-5428-0262
www.digi-intl.co.jp

Digi International (HK) Limited
Unit 3206 - 08A, 32/F,
AIA Tower
183 Electric Road,
North Point, Hong Kong
PH: +852-2833-1008
FX: +852-2572-9989
www.digi.cn

Digi International, the leader in device networking for business, develops reliable products and technologies to connect and securely manage local or remote electronic devices over the network or via the web. With over 20 million ports shipped worldwide since 1985, Digi offers the highest levels of performance, flexibility and quality.

www.digi.com

91001269
B2/808