Digi One® SP

Serial Server

Cost-effective serial-to-Ethernet connectivity in a compact design for simple data communication applications.

Overview

Digi One SP provides a reliable, cost-effective way to connect any type of serial device to the Ethernet. Its compact design delivers cost-effective performance and capability in one of the smallest form factors available.

Digi One SP supports a wide range of protocols using serial tunneling, TCP/UDP connections or Digi's patented RealPort® COM port redirector for remote native COM port access. RealPort enables existing applications to communicate, without modification, with serial devices over the Ethernet as if they were communicating over a serial cable.

Digi One SP is easy to install locally or remotely. The IP address can be configured using DHCP, ARP-Ping or Setup, an application included with the installation CD that automatically detects all Digi One devices on the network. Using the web interface, users can configure advanced functions into their application.

Related Products

Digi Connect SP®
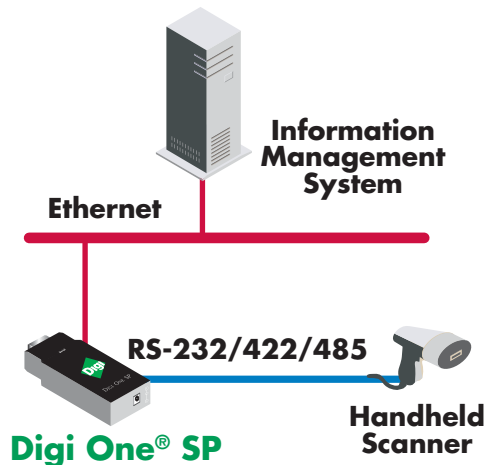
Digi Connect® Wi-SP

Digi One® SP IA

Power Supply 76000654

PortServer® TS MEI

Application Highlight

Information Management System

Ethernet

RS-232/422/485

Digi One® SP

Handheld Scanner

Features/Benefits

- Patented RealPort for COM/TTY port control and management
- TCP/UDP Socket Services for broad device connectivity and application use
- Auto-connect the serial device to networked server using raw, Telnet, rlogin
- Reverse Telnet for easy access of serial devices from network
- Switch selectable RS-232/422/485 for simple interfacing to any type of serial device
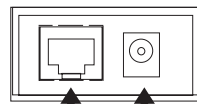- Modem emulation allows support for devices designed only for modem communications

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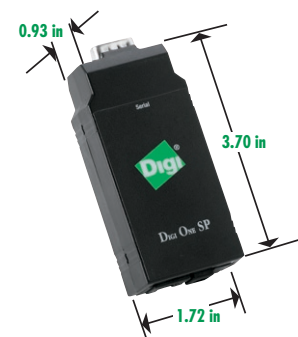| Specifications	Digi One® SP
Features	
Management	HTTP configuration
Protocols	TCP/UDP Socket Services, UDP Multicast, Telnet, Reverse Telnet, RFC2217, DHCP/RARP/ARP-Ping for IP address assignment
Software	Patented RealPort for COM/TTY ports
Operating Systems	AIX, HP-UX, Linux®, SCO® OpenServer™ 5, SCO® OpenServer™ 6, Solaris™ Intel, Solaris™ SPARC, Windows XP®, Windows Server® 2003, Windows Server® 2008, Windows Vista®
Status LEDs	Power, Ethernet link and activity
Dimensions (L x W x D)	3.70 in x 1.72 in x 0.93 in (9.40 cm x 4.30 cm x 2.30 cm)
Weight	2.29 oz (65.00 g)
Other	Full modem and hardware flow control, Modem emulation, Wall mount kit (optional)
Interfaces	
Serial Ports	RS-232/422/485 (switch selectable)
Serial Connector	DB-9M
Serial Throughput	Up to 230 Kbps
Ethernet Physical Layer	10/100Base-T
Power Requirements	
Power Input	9-30VDC @ 0.5Amps max
Power Supply	Ships with a 120VAC (North America) or a 120/240VAC (International) power supply providing 12VDC @ 0.5 Amps max power
Power Consumption	Typical: 4 W; Max: 6 W
Surge Protection	4 kV burst (EFT) per EN61000-4-4, 2 kV surge per EN61000-4-5
Environmental	
Operating Temperature	10º C to 45º C (50º F to 113º F)
Relative Humidity	5% to 90% (non-condensing)
Regulatory Approvals	
Safety	UL 60950, EN60950, CAN/CSA C22.2 No.60950
Emissions/Immunity	FCC Part 15 Subpart B (Class A), EN55024, EN55022 (Class A), EN61000-3-2,3

Digi One SP - Front

DB-9M Serial

Digi One SP - Back

Ethernet   **Power**

0.93 in

3.70 in

1.72 in

Visit www.digi.com for part numbers.

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