



COMPACT  
SERIAL SERVER



# DIGI ONE® SP

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

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.

## 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

## APPLICATION EXAMPLE



## RELATED PRODUCTS



## SPECIFICATIONS

## Digi One® SP

### FEATURES

<b>MANAGEMENT</b>	HTTP configuration
<b>PROTOCOLS</b>	TCP/UDP Socket Services, UDP Multicast, Telnet, Reverse Telnet, RFC2217, DHCP/RARP/ARP-Ping for IP address assignment
<b>SOFTWARE</b>	Patented RealPort® for COM/TTY ports
<b>OPERATING SYSTEMS</b>	AIX, HP-UX, Solaris, Linux®, Windows® 2000, Windows® XP, Windows® 7, Windows® 8, Windows® 8.1, Windows® 10, Windows Server® 2003, Windows Server® 2008, Windows Server® 2012. Note: TCP/UDP socket services are operating system independent
<b>STATUS LEDS</b>	Power, Ethernet link and activity
<b>DIMENSIONS (L X W X D)</b>	3.70 in x 1.72 in x 0.93 in (9.40 cm x 4.30 cm x 2.30 cm)
<b>WEIGHT</b>	2.29 oz (65.00 g)
<b>OTHER</b>	Full modem and hardware flow control, Modem emulation, Wall mount kit (optional)

### INTERFACES

<b>SERIAL PORTS</b>	RS-232/422/485 (switch selectable)
<b>SERIAL CONNECTOR</b>	DB-9M
<b>SERIAL THROUGHPUT</b>	Up to 230 Kbps
<b>ETHERNET PHYSICAL LAYER</b>	10/100Base-T

### POWER REQUIREMENTS

<b>POWER INPUT</b>	9-30VDC @ 0.5 Amps max
<b>POWER SUPPLY</b>	Ships with a 120 VAC (North America) or a 120/240 VAC (International) power supply providing 12 VDC @ 0.5 Amps max power
<b>POWER CONSUMPTION</b>	Typical: 4 W; Max: 6 W
<b>PRODUCT SURGE PROTECTION (ESD)</b>	4 kV burst (EFT) per EN61000-4-4, 2 kV surge transient per EN61000-4-5

### ENVIRONMENTAL

<b>OPERATING TEMPERATURE</b>	10° C to 45° C (50° F to 113° F)
<b>RELATIVE HUMIDITY</b>	5% to 90% (non-condensing)

### REGULATORY APPROVALS

<b>SAFETY</b>	UL 60950, EN60950, CAN/CSA C22.2 No.60950
<b>EMISSIONS/IMMUNITY</b>	FCC Part 15 Subpart B (Class A), EN55024, EN55022 (Class A), EN61000-3-2,3

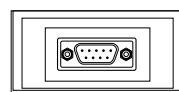
## PART NUMBERS

## DESCRIPTION

70001851	Digi One SP
70001852	Digi One SP (International)

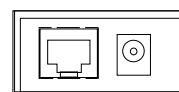


DigiOne® SP - FRONT



DB-9M Serial

DigiOne® SP - BACK



Ethernet Power

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