

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 the Device Discovery Utility 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



Digi Connect®  
SP



Digi Connect®  
Wi-SP



DigiOne®  
SP IA



Power Supply  
76000823



PostServer®  
TS MEI

## 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>	Microsoft Windows® 7, 8, 8.1, 10 and Windows Server® 2012, 2016, 2019; and Linux® 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>	9.40 cm x 4.30 cm x 2.30 cm (3.70 in x 1.72 in x 0.93 in)
<b>WEIGHT</b>	65.00 g (2.29 oz)
<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 - 30 VDC @ 0.5 Amps max
<b>POWER SUPPLY</b>	12 VDC / 1.5 A max out; 100 - 240 VAC 50 - 60 Hz in (wall mount)
<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

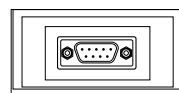
## DESCRIPTION

<b>70001851</b>	Digi One SP (Worldwide)
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For a full list of accessories, visit [www.digi.com](http://www.digi.com)

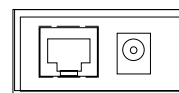


**DigiOne® SP - FRONT**



DB-9M Serial

**DigiOne® SP - BACK**



Ethernet

Power