



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



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

ENVIRONMENTAL

OPERATING TEMPERATURE	10° C to 45° C (50° F to 113° 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

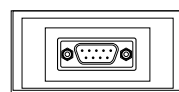
PART NUMBERS

DESCRIPTION

70001851	Digi One SP
70001852	Digi One SP (International)

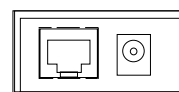


DigiOne® SP - FRONT



DB-9M Serial

DigiOne® SP - BACK



Ethernet Power

DIGI SERVICE AND SUPPORT / You can purchase with confidence knowing that Digi is always available to serve you with expert technical support and our industry leading warranty. For detailed information visit www.digi.com/support.

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