



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

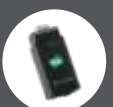
RELATED PRODUCTS



Digi Connect®
SP



Digi Connect®
Wi-SP



DigiOne®
SP IA



Power Supply
76000823



PostServer®
TS MEI

APPLICATION EXAMPLE



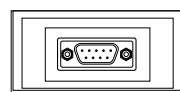
SPECIFICATIONS		Digi One SP	
FEATURES			
MANAGEMENT		HTTP configuration	
PROTOCOLS		TCP/UDP Socket Services, UDP Multicast, Telnet, Reverse Telnet, RFC2217, DHCP/RARP/ARP-Ping for IP address assignment	
SOFTWARE		Patented RealPort® for COM/TTY ports	
OPERATING SYSTEMS		Microsoft Windows® 7, 8, 8.1, 10 and Windows Server® 2012, 2016, 2019; and Linux® Note: TCP/UDP socket services are operating system independent	
STATUS LEDS		Power, Ethernet link and activity	
DIMENSIONS (L X W X D)		9.40 cm x 4.30 cm x 2.30 cm (3.70 in x 1.72 in x 0.93 in)	
WEIGHT		65.00 g (2.29 oz)	
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 - 30 VDC @ 0.5 Amps max	
POWER SUPPLY		12 VDC / 1.5 A max out; 100 - 240 VAC 50 - 60 Hz in (wall mount)	
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 (Worldwide)	

For a full list of accessories, visit www.digi.com

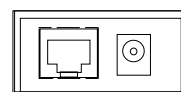


DigiOne® SP - FRONT



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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