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.

**APPLICATION EXAMPLE**

**INFORMATION MANAGEMENT SYSTEM**

- Ethernet
- DIGI ONE® SP
- RS-232/422/485

**RELATED PRODUCTS**

- Digi Connect® SP
- Digi Connect® Wi-SP
- DigiOne® SP IA
- Power Supply 76000823
- PostServer® TS MEI

**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

**DIGI ONE® SP**

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

**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**
12 VDC/1.5A 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

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>70001851</td>
<td>Digi One SP (Worldwide)</td>
</tr>
</tbody>
</table>

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