



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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.

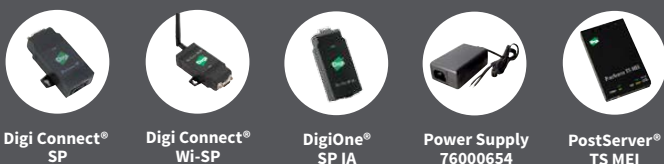
BENEFITS

- 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

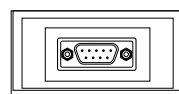
PART NUMBERS

DESCRIPTION

70001851	Digi One SP
70001852	Digi One SP (International)

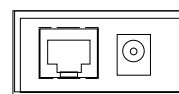


DigiOne® SP - FRONT



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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