



INDUSTRIAL
SERIAL SERVER



DIGI ONE® SP IA

Entry-level serial-to-Ethernet connectivity for devices in industrial automation applications

Digi One SP IA is a compact serial server providing entry level serial-to-Ethernet connectivity for virtually any industrial device. It features one RS-232/422/485 DB-9 serial port, 9-30 VDC input and DIN rail kit. Digi One SP IA provides a reliable interface to OPC servers or to other IA equipment such as bar-code readers, scales or temperature sensors.

Digi One SP IA supports most IA protocols through TCP/UDP connections, serial bridging or COM port redirection using Digi's patented RealPort® software. 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 IA is easy to install locally or remotely. The IP address can be configured using DHCP, ARP-Ping or Setup, an application included with the installation CD that automatically detects all Digi One devices on the network. Using the web interface, users can configure advanced functions into their application.

BENEFITS

- DIN rail and wall mount kits included
- 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
- 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
- 9-30 VDC power with bare-wire "pigtail" included

RELATED PRODUCTS



Digi Connect®
SP



Digi Connect®
Wi-SP



DigiOne®
SP



Power Supply
76000654



PostServer®
TS MEI

APPLICATION EXAMPLE



SPECIFICATIONS

Digi One® SP IA

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, DIN rail and wall mount kit included

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	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 when used with supplied power adapter
POWER CONNECTOR	Additional bare-wire "pigtail" connector included

ENVIRONMENTAL

OPERATING TEMPERATURE	10° C to 45° C (50° F to 113° F)
RELATIVE HUMIDITY	5% to 90% (non-condensing)

REGULATORY APPROVALS

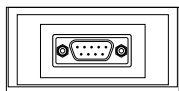
SAFETY	UL 60950, EN60950, CAN/CSA C22.2 No.60950
EMISSIONS/IMMUNITY	FCC Part 15 Subpart B (Class A), EN55024, EN55022 (Class A), EN61000-3-2,3

PART NUMBERS

DESCRIPTION

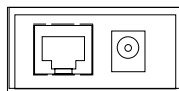
70001999	Digi One SP IA
70002000	Digi One SP IA (International)

Digi One® SP IA - FRONT



DB-9M Serial

Digi One® SP IA - 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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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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