DIGI
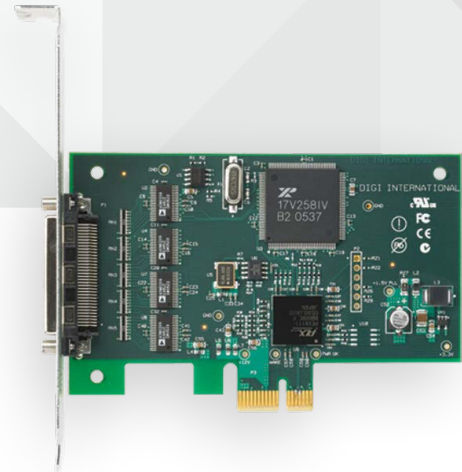
DIGI NEO®

Flexible serial cards deliver reliable, cost-effective and high performance serial port expansion in one of the smallest form factors available

Digi Neo multiport serial cards are designed for reliable serial port expansion in tight workspaces and specialized server/PC environments. They are ideal for point-of-sale, industrial automation, factory control, kiosks and data collection applications.
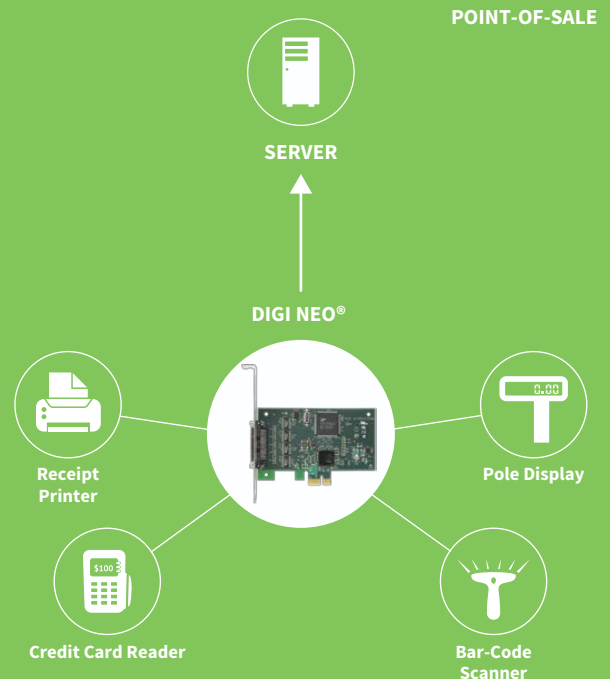
Leveraging an Application Specific Integrated Circuit (ASIC), Digi Neo delivers up to 921.6 Kbps of throughput. This PCIe compatible card offers on-board surge suppression on each signal, protecting system operation from electrical interference. Additional features include large buffers for data transfer, low latency and baud rate customization.

These low-cost serial cards have one of the smallest form factors available and are one of the only low profile eight-port cards on the market. An extensive range of cabling and software driver options makes Digi Neo a flexible and easy-to-install solution. Enhanced software monitoring and diagnostic tools ensure proper installation and serial port performance.
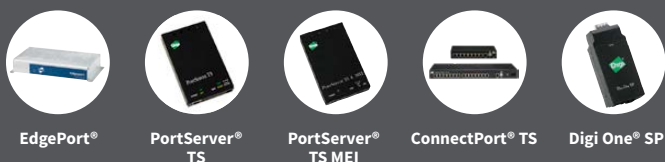
BENEFITS

– 4 or 8 RS-232 serial ports

– Low Profile and Standard Profile supported

– PCI Express slot support

– Flexible cabling and connector options

– Surge suppression on all signals protects against electrical interference with system operation

– Low latency for reliable performance

– Windows® and Linux® driver support

– Throughput up to 921.6 Kbps

APPLICATION EXAMPLE

POINT-OF-SALE

SERVER

DIGI NEO®

Receipt Printer

Pole Display

Credit Card Reader

Bar-Code Scanner

RELATED PRODUCTS

EdgePort®

PortServer® TS

PortServer® TS MEI

ConnectPort® TS

Digi One® SP

SPECIFICATIONS — Digi Neo® 4- or 8-Port

BUS INTERFACE

PLATFORM	PCI Express (PCIe)
PCI SLOT	PCI Express x1, x2, x4, x8, x12, x16 lane compatible
LOW PROFILE PCI	Yes - Low profile bracket included

INTERFACES

SERIAL PORTS	4 or 8 RS-232
SERIAL CONNECTOR	DB-25, 4' DB-9 fan-out cables; DB-9, RJ-45 connector boxes with 6' captive cable
THROUGHPUT	Up to 921.6 Kbps

FEATURES

OPERATING SYSTEMS	Windows 10®, Windows® 8, Windows® 7,Windows Server 2016, Windows Server® 2012, Windows Vista®, Windows Server® 2003, Windows Server® 2008, Windows® XP, Linux®
DIMENSIONS (L X W X H)	11.99 cm x 1.84 cm x 6.22 cm (4.72 in x 0.72 in x 2.45 in)
WEIGHT	57.00 g (2.00 oz)
OTHER	Full modem control, hardware or software flow control, low latency, custom baud rates

POWER REQUIREMENTS

TYPICAL (+5V)	20 mA
MAXIMUM (+5V)	100 mA
TYPICAL (+12V)	100 mA
MAXIMUM (+12V)	150 mA
SURGE PROTECTION	15 kV surge protection on all signals

ENVIRONMENTAL

OPERATING TEMPERATURE	0° C to 55° C (32° F to 131° F)
STORAGE TEMPERATURE	-25° C to +85° C (-13° F to +185° F)
RELATIVE HUMIDITY	5% to 90% (non-condensing)

REGULATORY APPROVALS

SAFETY	UL 1950, CSA 22.2 No. 950, EN60950, AS3260
EMISSIONS/IMMUNITY	FCC Part 15 (Class B), EN55022 (Class B), EN55024, ICES 003 (Class B), AS3548, VCCI (Class B)

PART NUMBERS

PART NUMBERS	DESCRIPTION
77000889	Digi Neo PCI Express 8-port w/o cable (low profile bracket included)
77000890	Digi Neo PCI Express 4-port w/o cable (low profile bracket included)
CABLES	
76000523	8-port DTE DB-25M fan-out cable
76000527	8-port DTE RJ-45 connector box
76000529	8-port DTE DB-9M fan-out cable
76000534	HD-68M to DB-78F legacy cable converter
76000561	8-port DTE DB-9M connector box
76000522	4-port DTE DB-25M fan-out cable
76000526	4-port DTE RJ-45 connector box
76000528	4-port DB-9M straight fan-out cable
76000560	4-port DTE DB-9M connector box

DIGI

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Largest Supplier of Electrical and Electronic Components

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