

# Digi Neo<sup>®</sup>

## Multiport Serial Cards

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



## Overview

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 more than 460.8 Kbps of throughput. This PCI/PCI-X/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.

### Target Applications



Industrial Automation



Medical/Healthcare

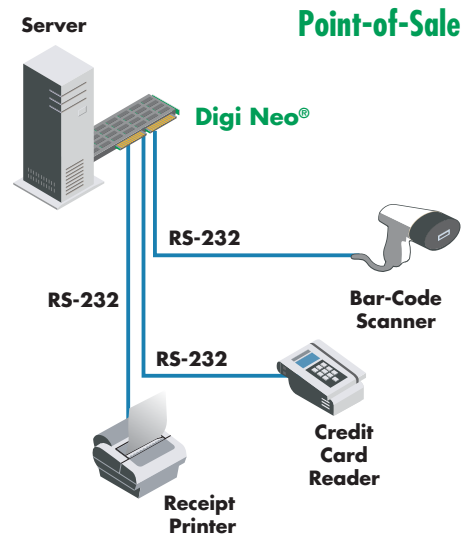


Utilities



Retail/POS

### Application Highlight



### Features/Benefits

- 1, 2, 4 or 8 RS-232 serial ports
- Universal PCI (3.3V/5V) and PCI Express slot support
- Enhanced monitoring and diagnostic tools for ease-of-use
- Flexible cabling and connector options
- Surge suppression on all signals protects against electrical interference with system operation
- Low latency for reliable performance
- Powered serial port options
- Windows<sup>®</sup>, UNIX<sup>®</sup> and Linux<sup>®</sup> driver support



**Specifications** | Digi Neo® 1-Port DB-25 | Digi Neo® 2-Port DB-9 | Digi Neo® 2-Port RJ-45 | Digi Neo® 4-Port RJ-45 | Digi Neo® 4- or 8-Port

PCI					
Platform	Universal 3.3V and 5V				Universal 3.3V and 5V or PCI Express 1.x
PCI Slot	32- or 64-bit PCI-X/PCI				32- or 64-bit PCI-X/PCI & PCI Express x1 slot
Compatibility	PCI-X/PCI				PCI-X/PCI & PCI Express
Low Profile PCI Option	Yes	N/A	Yes	N/A	Yes
Interfaces					
Serial Ports	1 or 2 RS-232 (2 port with DB9M cable)	2 RS-232	2 RS-232	4 RS-232	4 or 8 RS-232
Serial Connector	1 DB-25M or 2 DB-9M w/ cable	2 DB-9M	2 RJ-45	4 RJ-45	DB-25, DB-9 fan-out cables; DB-25, DB-9, RJ-45 connector boxes
Throughput	Exceeds 460.8 Kbps				
Features					
Operating Systems	Windows Vista®, Windows Server® 2003, Windows Server® 2008, Windows® XP, Linux®, SCO® OpenServer™				
Dimensions (L x W x H)	4.72 in x 0.72 in x 2.37 in (11.99 cm x 1.84 cm x 6.03 cm)	4.72 in x 0.72 in x 3.38 in (11.99 cm x 1.84 cm x 8.60 cm)	4.72 in x 0.72 in x 2.05 in (11.99 cm x 1.84 cm x 5.20 cm)	4.72 in x 0.72 in x 4.00 in (11.99 cm x 1.84 cm x 10.16 cm)	4.72 in x 0.72 in x 2.45 in (11.99 cm x 1.84 cm x 6.22 cm)
Weight	2.00 oz (57.00 g)				
Other	Full modem control, Hardware or software flow control, Low latency, Custom baud rates, Enhanced monitoring/diagnostic configuration tool, Powered (5V) serial port options using ring indicator signal at 600 mA				
Power Requirements					
Typical (+5V)	50 mA		20 mA		
Maximum (+5V)	100 mA		100 mA		
Typical (+12V)	20 mA		100 mA		
Maximum (+12V)	50 mA		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)				
Altitude	0 to 12,000 feet (0 to 3,660 meters)				
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)				

Visit [www.digi.com](http://www.digi.com) for part numbers.

**DIGI SERVICE AND SUPPORT** - You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty. [www.digi.com/support](http://www.digi.com/support)

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