Digi Neo®
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
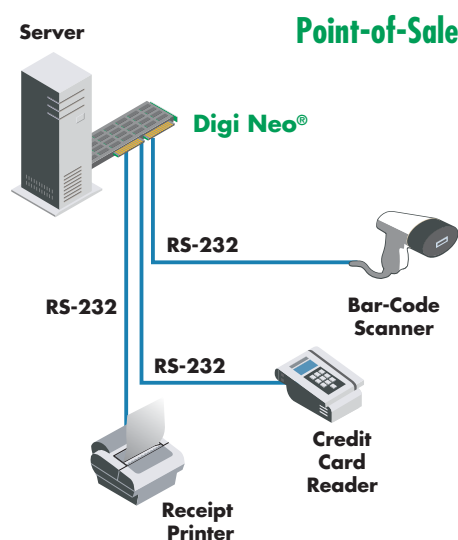
Industrial Automation

Medical/Healthcare

Utilities

Retail/POS

Application Highlight

Server

Point-of-Sale

Digi Neo®

RS-232

RS-232

RS-232

Bar-Code Scanner

Credit Card Reader

Receipt Printer

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®, UNIX® and Linux® driver support**

Digi®

www.digi.com

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 for part numbers.

www.esis.com.au
Ph 02 9481 7420
Fax 02 9481 7267
esis.enq@esis.com.au

ESIS
Industrial Electronics