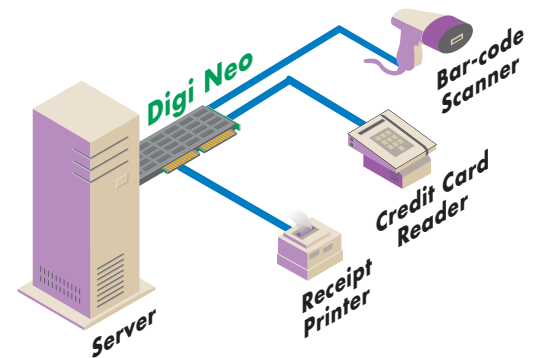


# Digi Neo®

Multiport Serial Cards



The Digi Neo delivers reliable serial port expansion in standard and low profile Universal PCI boards, with throughput speeds exceeding 460.8 Kbps. Extensive cabling and software driver options provide maximum flexibility in installations.



## Features/Benefits

- > One-, two-, four- or eight-port EIA-232 solutions
- > Universal PCI (3.3V and 5.5V) bus slot support
- > Low profile Universal PCI versions
- > Enhanced monitoring and diagnostic tool
- > Extensive cabling/connector options for DB-25, RJ-45 and DB-9
- > Surge suppression on all signals
- > Low latency
- > Powered serial port options
- > Windows, UNIX and Linux driver support

## Overview

The Digi Neo® can easily give your business a competitive advantage by enabling your serial devices. Its low profile size makes it one of the smallest form factor serial card solutions on the market today and one of the fewest to offer a low profile eight-port solution on a single card. The Digi Neo's extensive cabling options (RJ-45, DB-9, DB-25) set a new standard for ease-of-installation and provide the only solution for tight workspaces and specialized server/PC environments.

The Digi Neo leverages an Application Specific Integrated Circuit (ASIC) for reliable performance. It also delivers throughput speeds exceeding 460.8 Kbps, large buffers for data transfer, low latency and baud rate customization. Surge suppression (15KV) protects the signal for each port to ensure voltage fluctuations will not degrade data transmissions, which keeps the system running smoothly. This robust feature set makes the Digi Neo ideal for point-of-sale, industrial automation, factory control, kiosks and data collection applications.

The Digi Neo provides an enhanced software monitoring and diagnostic tool for Windows® operating systems. A similar tool for Unix and Linux operating systems is also available.

Digi International, the leader in Connectware, makes device networking easy by developing products and technologies that are cost-effective and easy to use. With over 20 million ports shipped worldwide, Digi has been offering the highest levels of performance, flexibility and quality since 1985.



Connectware™

# Features/Specifications

## FEATURES

- One-, two-, four- or eight-port EIA-232 solution on Universal PCI (3.3V and 5V) platform
- Low profile options
- PCI-X/PCI 2.3 compatible
- Surge suppression on all signals
- Throughput exceeding 460.8 Kbps
- Enhanced monitoring/diagnostic configuration tool
- DB-9, DB-25 and RJ-45 connectors
- Powered (5V) serial port options using ring indicator signal at 600mA
- Full modem control
- Hardware or software flow control
- Low latency
- Custom baud rates

## HARDWARE REQUIREMENTS

### Power

#### Digi Neo 4- and 8-port

- +5V +/- 5%, 20mA typical, 100mA maximum
- +12V +/- 5%, 100mA typical, 150mA maximum

#### Digi Neo 2-port

- +5V +/- 5%, 50mA typical, 100mA maximum
- +12V +/- 5%, 20mA typical, 50mA maximum

### System

- 32 or 64 bit PCI slot
- IRQ is assigned

## OPERATING SYSTEMS

- Microsoft® Windows Server 2003
- Microsoft® Windows XP
- Microsoft® Windows 2000
- Microsoft® Windows NT
- Microsoft® Windows 95/98/Me
- Linux
- SCO® OpenServer

Most drivers ship with product on CD-ROM. Drivers and driver updates also available on our Website at [www.digi.com/drivers](http://www.digi.com/drivers).

## MODEL.....PART NUMBERS

### Model

#### Universal PCI EIA-232

Digi Neo Universal PCI (3.3V & 5V) 1-port DB-25M	77000864
Digi Neo Universal PCI (3.3V & 5V) 1-port DB-25M Low Profile	77000865
Digi Neo Universal PCI (3.3V & 5V) 2-port DB-9M	77000847
Digi Neo Universal PCI (3.3V & 5V) 2-port Low Profile w/DB-9M cable	70001965
Digi Neo Universal PCI (3.3V & 5V) 2-port RJ-45	77000848
Digi Neo Universal PCI (3.3V & 5V) 2-port RJ-45 Low Profile	77000849
Digi Neo Universal PCI (3.3V & 5V) 4-port RJ-45	77000855
Digi Neo Universal PCI (3.3V & 5V) 4-port w/o cables	77000857
Digi Neo Universal PCI (3.3V & 5V) 8-port w/o cables	77000858
Digi Neo Universal PCI (3.3V & 5V) 4-port w/DB-25M fan-out cable	70001946
Digi Neo Universal PCI (3.3V & 5V) 8-port w/DB-25M fan-out cable	70001947
Digi Neo Universal PCI (3.3V & 5V) 4-port Low Profile (cables not included, see below)	77000835
Digi Neo Universal PCI (3.3V & 5V) 8-port Low Profile (cables not included, see below)	77000836

#### Universal PCI EIA-232 Powered (5V) Serial Ports

Digi Neo Universal PCI (3.3 & 5V) 2-port DB-9M	77000851
Digi Neo Universal PCI (3.3 & 5V) 2-port RJ-45	77000852
Digi Neo Universal PCI (3.3 & 5V) 2-port RJ-45 Low Profile	77000853
Digi Neo Universal PCI (3.3 & 5V) 4-port RJ-45	77000856

#### Available Accessories for HD-68 Connector

4-port DB-25M DTE four-foot fan-out cable	76000522
4-port DB-9M DTE four-foot fan-out cable	76000528
4-port DB-25F DTE four-foot fan-out cable	76000532
4-port DB-9F DTE four-foot fan-out cable	76000530
4-port DB-25M DTE connector box with six-foot cable	76000524
4-port DB-9M DTE connector box with six-foot cable	76000560
4-port RJ-45 DTE connector box with six-foot cable	76000526
8-port DB-25M DTE four-foot fan-out cable	76000523
8-port DB-9M DTE four-foot fan-out cable	76000529
8-port DB-25F DTE four-foot fan-out cable	76000533
8-port DB-9F DTE four-foot fan-out cable	76000531
8-port DB-25M DTE connector box with six-foot cable	76000525
8-port DB-9M DTE connector box with six-foot cable	76000561
8-port RJ-45 DTE connector box with six-foot cable	76000527
16-port DB-25 DTE 19" rack enclosure (use w/two 8-port boards)	76000587
16-port RJ-45 DTE 19" rack enclosure (use w/two 8-port boards)	76000588
HD-68M to DB-78F converter (use with legacy accessories)	76000534

### Part Number

## DIMENSIONS

### Digi Neo

- Length: 4.72 in (11.99 cm)
- Width: 0.725 in (1.84 cm)
- Weight: 2.0 oz (57.0 grams)

### Four- or eight-port

- Height: 2.45 in (6.22 cm)

### Two-port DB-9

- Height: 3.38 in (8.6 cm)

### Two-port RJ-45

- Height: 2.05 in (5.2 cm)

### Four-port RJ-45

- Height: 4.00 in (10.16 cm)

### One-port DB-25

- Height: 2.375 in (6.03 cm)

## REGULATORY APPROVALS

- FCC Part 15, Class B
- EN55022, Class B
- VCCI Class B
- ICES-003, Class B
- AS3548
- EN55024
- EN60950
- UL 1950
- AS3260
- CSA 22.2, No. 950

## ENVIRONMENTAL

- Ambient temperature: 32°F to 131°F (0°C to 55°C)
- Storage temperature: -13°F to 185°F (-25°C to 85°C)
- Relative Humidity: 5% to 90%
- Altitude: 0 to 12,000 feet (0 to 3660 meters)
- Air movement: 30 CFM forced