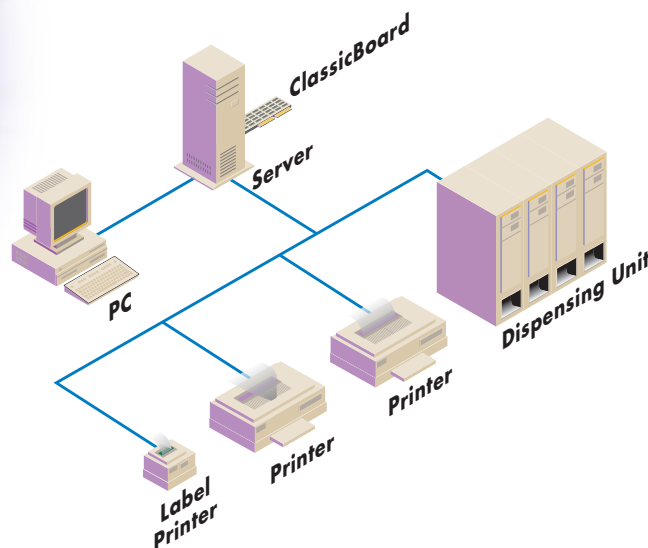# ClassicBoard®

Multiport Serial Cards

The ClassicBoard Family of multiport serial cards are easy to install. There are no dip-switches or jumpers to set.

Features/Benefits

> **Cost-effective solution for Point-of-Sale (POS) systems, Electronic Data Interchange (EDI), industrial control and other applications where low latency is required**

> **Four or eight serial ports**

> **ISA and PCI bus support**

> **EIA-232 and EIA-422 models**

> **16C654 UART with 64 byte buffer**

> **Surge protection on all signals**

Overview

The ClassicBoard Family is best suited to applications where the CPU is able to devote some of its resources to handling computations or to real time applications that require short latency time intervals. This solution is ideal for connecting cash registers, print receipt devices, scanners, and other peripheral devices in retail POS systems. It can also be used in applications using sensors, switches, measurement devices, factory automation, EDI, industrial control processing and data collection.

Each model is available with 16C654 UARTs with a 64 byte FIFO, delivering optimum throughput up to 460.8 Kbps. And every signal is safeguarded by built-in surge protection which ensures that electrical interference, power surges or brown-outs don't interfere with the system operation.

Digi International, the leader in Connectware, makes device networking easy by manufacturing 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™

Making **DEVICE NETWORKING** *easy* ™

Features/Specifications

FEATURES

All Models
- Supports speeds up to 460.8 Kbps
- Full-duplex operation
- Multi-strike surge suppression on every signal
- 16C654 UARTs providing automatic flow control and 64-byte FIFO
- Standard connections for four and eight ports: DB-25, DB-9 and RJ-45
- Supports auto configuration of all PCI interrupts
- Four or eight ports for EIA-232

ISA Models only
- Four or eight ports for EIA-422
- Software configuration in non-plug-and-play environments with Digi's exclusive software utility
- Supports three modes for backward compatibility with legacy Digi, StarGate and Arnet products
- Fully programmable IRQs using levels 3-7, 9-12, 14, 15

POWER REQUIREMENTS

PCI Four-Port Cards
- 400 mA typical +5 V
- 80 mA typical +12 V
- 80 mA typical -12 V

ISA Four-Port Cards
- 180 mA typical +5 V
- 120 mA typical +12 V
- 80 mA typical -12 V

PCI Eight-Port Cards
- 350 mA typical +5 V
- 40 mA typical +12 V
- 40 mA typical -12 V

ISA Eight-Port Cards
- 330 mA typical +5 V
- 180 mA typical +12 V
- 124 mA typical -12 V

DIMENSIONS

PCI Four/eight-port
- Length: 5.25 in (13.34 cm)
- Width: .5 in (1.27 cm)
- Height: 4.2 in (10.69 cm)
- Weight: 9 oz (.26kg)

ISA Four/eight-port
- Length: 6.5 in (16.51 cm)
- Width: .875 in (2.24 cm)
- Height: 4.2 in (10.69 cm)
- Weight: 5 oz (.14kg)

REGULATORY APPROVALS

- FCC Part 15, Class B
- VCCI Class B
- AS3548
- EN55022 Class B
- EN50082-2
- UL 1950
- CSA 22.2 No.950
- EN60950
- AS3260

SYSTEM REQUIREMENTS

PCI
- One 32-bit slot
- IRQ is assigned

ISA
- One 16-bit slot
- IRQ is assigned

ENVIRONMENTAL

- Ambient temperature: 50° to 131°F (10°C to 55°C)
- Storage Temperature -13° to 185°F (-25° to 85°C)
- Relative humidity: 5% to 90% (non-condensing)
- Altitude: 0 to 12,000 feet (0 to 3,660 meters)
- Air movement: 30 CFM forced

OPERATING SYSTEMS

PCI Models
- Microsoft Windows Server 2003
- Microsoft Windows XP
- Microsoft Windows 2000
- Microsoft Windows NT
- Microsoft Windows 95/98/Me
- Linux
- OS/2†
- SCO OpenServer

ISA Models
- Microsoft Windows 2000
- Microsoft Windows NT
- Microsoft Windows 95/98/Me
- DOS
- Linux*
- OS/2†
- QNX*
- SCO OpenServer*

Most drivers ship with product on CD-Rom. (In the case of ISA models, the Windows NT and Windows 95/98/Me drivers ship on floppy disk). All drivers and driver updates are also available on our web-site at www.digi.com/drivers.

* Driver software on operating system
† Legacy driver support only

MODEL......................PART NUMBERS

Model	Part Number
PCI	
232 Solutions	
ClassicBoard 4-PCI EIA-232 (Connector not included, see below)	77000576
ClassicBoard 8-PCI EIA-232 (Connector not included, see below)	77000578
ISA	
232 Solutions	
ClassicBoard 4-ISA EIA-232 (Connector not included, see below)	77000435
ClassicBoard 8-ISA EIA-232 (Connector not included, see below)	77000434
422 Solutions	
ClassicBoard 4-ISA EIA-422 with DB-9F fan-out Cable	70001267
ClassicBoard 4-ISA EIA-422 with DB-25M fan-out Cable	70001269
ClassicBoard 8-ISA EIA-422 with DB-9F fan-out Cable	70001266
ClassicBoard 8-ISA EIA-422 with DB-25M fan-out Cable	70001268
Connector Options	
4-Port DB-9M DTE fan-out cable	76000003
8-Port DB-9M DTE fan-out cable	76002042
4-Port DB-25M DTE fan-out cable	76000008
8-Port DB-25M DTE fan-out cable	76000021
4-Port DB-25M DTE connector box	76000030
8-Port DB-25M DTE connector box	76000031
4-Port RJ-45 connector box	76000038
8-Port RJ-45 connector box	76000033

Other connector options also available

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.   http://support.digi.com