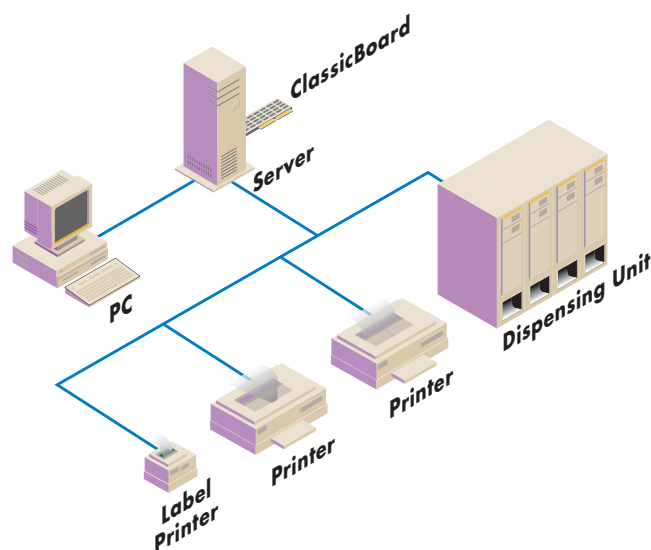# ClassicBoard®

Multiport Serial Cards

The ClassicBoard family provides an array of ISA- and PCI- based options to meet your serial expansion needs. Installation is easy because 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 automation and other applications where low latency is required**

- **Four or eight serial ports**

- **ISA and PCI bus support**

- **RS-232 and RS-422 models for cabling flexibility**

- **Easy to install — no DIP switches or jumpers to set**

- **Every signal safeguarded by built-in surge protection**

- **5-year warranty**

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. It 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. Every signal is safeguarded by built-in surge protection, which ensures that electrical interference, power surges or brown-outs do not interfere with the system operation.

www.digi.com

Features/Specifications

FEATURES

All Models
- 4 or 8 RS-232 or RS-422 serial ports
- DB-9, DB-25 or RJ-45 connectors
- Supports speeds up to 460.8 Kbps
- 32-bit PCI slot
- Full-duplex operation
- Multi-strike surge suppression on every signal
- 16C654 UARTs providing automatic flow control and 64-byte FIFO
- Supports auto configuration of all PCI interrupts

ISA Models Only
- 4 or 8 RS-422 serial ports
- 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 4 Ports
- 400 mA typical +5V
- 80 mA typical +12V
- 80 mA typical -12V

ISA 4 Ports
- 180 mA typical +5V
- 120 mA typical +12V
- 80 mA typical -12V

PCI 8 Ports
- 350 mA typical +5V
- 40 mA typical +12V
- 40 mA typical -12V

ISA 8 Ports
- 330 mA typical +5V
- 180 mA typical +12V
- 124 mA typical -12V

DIMENSIONS

PCI 4/8 Ports
- Length: 5.25 in (13.34 cm)
- Width: 0.5 in (1.27 cm)
- Height: 4.2 in (10.69 cm)
- Weight: 9.0 oz (0.26 kg)

ISA 4/8 Ports
- Length: 6.5 in (16.51 cm)
- Width: 0.875 in (2.24 cm)
- Height: 4.2 in (10.69 cm)
- Weight: 5.0 oz (0.14 kg)

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
- 1 32-bit slot
- IRQ is assigned

ISA
- 1 16-bit slot
- IRQ is assigned

ENVIRONMENTAL

- Operating temperature: 10° C to 55° C (50° 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)
- Air movement: 30 CFM forced

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

Model	Worldwide
ClassicBoard RS-232 PCI (PCI 5V)	
ClassicBoard PCI (5V) 4-Port RS-232 w/o Cables	77000576
ClassicBoard PCI (5V) 8-Port RS-232 w/o Cables	77000578
ClassicBoard PCI (5V) 4-Port w/Powered 5V Serial Ports RS-232 w/o Cables	77000771
ClassicBoard PCI (5V) 8-Port w/Powered 5V Serial Ports RS-232 w/o Cables	77000770
ClassicBoard RS-422 PCI (PCI 5V)	
ClassicBoard PCI (5V) 4-Port RS-422	77000862
ClassicBoard PCI (5V) 8-Port RS-422	77000863
Accessories for RS-232	
4-Port Straight DB-9M Fan-Out Cable	76000003
8-Port Straight DB-9M Fan-Out Cable	76002042
4-Port Straight DB-25M Fan-Out Cable	76000008
8-Port Straight DB-25M Fan-Out Cable	76000021
4-Port Straight DB-25M Connector Box	76000030
8-Port Straight DB-25M Connector Box	76000031
4-Port RJ-45 Connector Box	76000038
8-Port RJ-45 Connector Box	76000033
4-Port Straight DB-25F Fan-Out Cable	76000006
8-Port Straight DB-25F Fan-Out Cable	76000019
Accessories for RS-422	
4-Port DB-9F RS-422 Fan-Out Cable	76000002
8-Port DB-9F RS-422 Fan-Out Cable	76000014
4-Port DB-9M RS-422 Fan-Out Cable	76000004
8-Port DB-9M RS-422 Fan-Out Cable	76000017
4-Port DB-25M RS-422 Fan-Out Cable	76000178
8-Port DB-25M RS-422 Fan-Out Cable	76000179

OPERATING SYSTEMS

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

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

* Driver software on operating system
† Legacy driver support only

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

WHEN
RELIABILITY
MATTERS™

Digi International, the leader in device networking for business, develops reliable products and technologies to connect and securely manage local or remote electronic devices over the network or via the web. With over 20 million ports shipped worldwide since 1985, Digi offers the highest levels of performance, flexibility and quality.

www.digi.com

91000559
F1/208