AccelePort® Xem

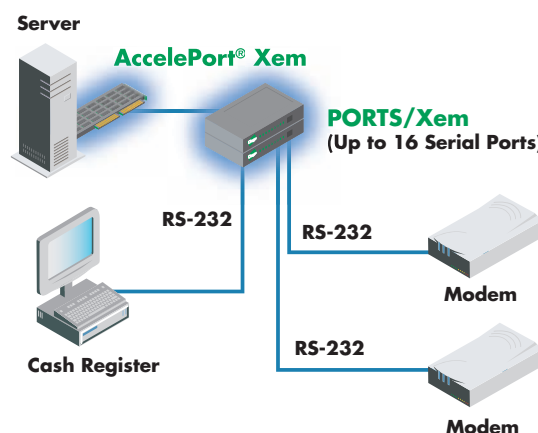## Multiport Serial Cards & Expansion Ports

The AccelePort Xem system enables your business to reap all the benefits of high-performance serial computing at the lowest price per port.

Point-of-Sale

Server

AccelePort® Xem

PORTS/Xem
(Up to 16 Serial Ports)

RS-232

RS-232

Modem

Cash Register

RS-232

Modem

Features/Benefits

- **Expandable up to 64 ports from a single host slot**

- **Universal PCI bus slot supports 3.3V & 5V**

- **Low profile PCI option**

- **Eight- and 16-port concentrator boxes provide incremental expansion**

- **Delivers data speeds up to 115.2 Kbps**

- **RS-232 and RS-422 solutions**

- **Ideal for connecting modems, terminals, printers, instruments and other serial devices**

- **1U 19-inch rack mount 16-port option**

Overview

The AccelePort Xem asynchronous system is an expandable, modular and intelligent serial communication solution designed specifically for small to mid-size multiuser installations. This product is especially well-suited for applications that are expected to start small and grow over time to as many as 64 ports.

This flexible system enables you to connect up to 64 RS-232 or RS-422 serial ports to a Universal PCI-based (3.3V & 5V) computer. The result is a fast, reliable way to connect terminals, printers, modems, instruments and other serial peripheral devices, making it ideal for applications such as data acquisition, office/factory automation and industrial process control.

The AccelePort Xem system features a host adapter card with an on-board RISC-based processor that delivers up to 115.2 Kbps performance per port. The system also includes a compact Digi PORTS module that provides access to eight or 16 serial ports. PORTS modules can also be Ethernet-enabled using the PortServer® II.

The AccelePort Xem has driver support for a wide array of popular operating systems. It features the same quality, reliability and after-sales technical support that has made Digi the leader in serial connectivity.

Features/Specifications

FEATURES

AccelePort Xem Host Card
- Supports Universal PCI (3.3V & 5V) platforms
- PCI 2.3/PCI-X compatible
- Low profile PCI option
- Up to 115.2 Kbps throughput per port
- 1 host card supports up to 4 Digi PORTS modules for a maximum of 64 ports
- Auxiliary power supply package (PN 76000109 in North America or 76000321 for International) required when using more than 2 PORTS modules on modules 3 & 4
- On-board IDT 3081 RISC processor with patented Front End Processor/Operating System (FEP/OS)

Digi PORTS Modules
- Interchangeable between PCI platforms and PortServer II
- 8 or 16 RS-232 asynchronous serial ports (RJ-45 or DB-25)
- 1U 19-inch rack mount PORTS/16em for RS-232
- 16 RS-422 asynchronous serial ports (DB-25)
- Modules can connect to PortServer II to expand port count up to 64 ports
- External Bus Interface (EBI) technology uses HD44 female connectors on PORTS modules to daisy-chain additional ports via 16-inch (40.6 cm) cable
- Surge protection on all signals
- Supports full modem control and full hardware handshaking (CTS, RTS, DSR, DTR and DCD) on all channels

POWER REQUIREMENTS

PCI Host Card
- +5V +/-5% 0.43 Amps typical, plus module power drain

OPERATING SYSTEMS
- AIX
- HP-UX
- Windows NT®
- Windows 2000/XP
- Windows Server™ 2003
- Linux
- SCO OpenServer, UnixWare
- Solaris™ SPARC, Intel
- * Driver updates available at www.digi.com/drivers.

SYSTEM REQUIREMENTS

PCI Host Card
- 1 full-length 32-bit or 64-bit slot
- 1 3.3V or 5V slot

ENVIRONMENTAL
- Operating temperature: 10° C to 55° C (50° F to 131° F)
- Storage temperature: -25° C to 85° C (-13° F to 125° F)
- Relative humidity: 5% to 90% (non-condensing)
- Altitude: 0 to 12,000 feet (0 to 3,600 meters)
- Air movement: 30 CFM forced

REGULATORY APPROVALS
- FCC Part 15, Class B
- ICES-003 Class B
- EN55022, Class B
- EN50082-2
- UL 1950
- CSA 22.2 No. 950
- EN60950

MODEL . . . . .PART NUMBERS

	North America	International
AccelePort Xem Universal PCI Kits		
AccelePort Xem Universal PCI (3.3V & 5V) 8-Port RS-232 DB-25 Concentrator	70001208	70001208
AccelePort Xem Universal PCI (3.3V & 5V) 8-Port RS-232 RJ-45 Concentrator	70001206	70001206
AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-232 DB-25 Concentrator	70001203	70001203
AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 Concentrator	70001201	70001201
AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 1U 19" Rack	70001757	70001757
AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-422 DB-25 Concentrator	70001559	70001559
AccelePort Xem Low Profile Universal PCI Kits		
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 8-Port RS-232 w/DB-25 Concentrator	70002008	70002008
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 8-Port RS-232 w/RJ-45 Concentrator	70002009	70002009
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-232 w/DB-25 Concentrator	70002010	70002010
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-232 w/RJ-45 Concentrator	70002011	70002011
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-232 w/RJ-45 1U 19" Rack	70002012	70002012
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-422 w/DB-25 Concentrator	70002017	70002017
Additional PORTS Modules		
Digi PORTS/Xem 8-port RS-232 DB-25 Concentrator	76000120	76000120
Digi PORTS/Xem 8-port RS-232 RJ-45 Concentrator	76000122	76000122
Digi PORTS/Xem 16-port RS-232 DB-25 Concentrator	76000073	76000073
Digi PORTS/Xem 16-port RS-232 RJ-45 Concentrator	76000074	76000074
Digi PORTS/Xem 16-port RS-232 RJ-45 1U 19" Rack Concentrator	76000617	76000617
Digi PORTS/Xem 16-port RS-422 DB-25 Concentrator	76000535	76000548
Host Adapters		
AccelePort Xem Universal PCI (3.3V & 5V)	77000887	77000887
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile	77000877	77000877
Accessories		
AccelePort Xem Power Supply	76000109	76000321
19" Rack Chassis - 2U for AccelePort C/CON and Digi PORTS/Xem	76000611	76000611
16" Daisy Chain Cable	76000707	76000707
60" Daisy Chain Cable (host to PORTS module)	76000708	76000708
120" Daisy Chain Cable (host to PORTS module)	76000709	76000709

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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.

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