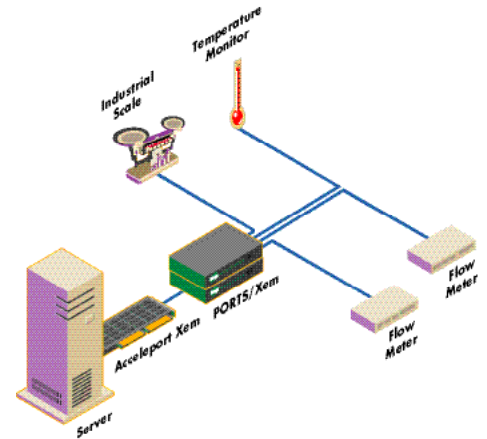


# AccelePort<sup>®</sup> Xem

Multiport Serial Cards & Expansion Ports

If your business is looking to reap all the benefits of flexible high-performance serial computing at the lowest price per port, look no further than the AccelePort<sup>®</sup> Xem system.



## Features/Benefits

- > Expandable up to 64 ports from a single host slot
- > Universal PCI bus slot support 3.3V & 5V and ISA platforms
- > Eight- and 16-port concentrator boxes provide incremental expansion
- > Delivers data speeds up to 115.2 Kbps
- > EIA-232 and EIA-422 solutions
- > Ideal for connecting modems, terminals, printers, instruments and other serial devices
- > 1U 19-inch rack mount 16-port version

## Overview

The AccelePort Xem asynchronous system is an expandable, modular and intelligent serial communication solution designed specifically for small to mid-size multi-user 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 lets you connect up to 64 EIA-232 or EIA-422 serial ports to an Universal PCI(3.3v & 5v) or ISA-based computer. The result is a fast, reliable way to connect terminals, printers, modems, instruments and other serial peripherals, making it ideally suited to 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<sup>®</sup> 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.

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<sup>™</sup>

[www.digi.com](http://www.digi.com)

Making  
DEVICE NETWORKING  
easy<sup>™</sup>

# Features/Specifications

## FEATURES

### AccelePort Xem Host Card

- Supports both Universal PCI (3.3v & 5v) and ISA platforms
- Supports data transfer rates up to 115.2 Kbps per port
- One host card supports up to four Digi PORTS modules for a maximum of 64 ports.
- An auxiliary power supply package (PN 76000109 in North America or 76000321 for International) is required when using more than two PORTS modules on modules 3 & 4 Not usable with rack units.
- On-board IDT 3081 RISC processor with its patented Front End Processor/Operating System (FEP/OS)
- Female HD44 connector to connect the first Digi PORTS module via a 5-foot (1.5 m) cable

### Digi PORTS Modules

- PORTS modules are interchangeable between ISA and PCI platforms & PortServer II
- Eight or 16 EIA-232 asynchronous serial ports: RJ-45 or DB-25
- 1U 19-inch Rack Mount PORTS/16em for EIA-232;two PORTS/Xem units can be driven off of a Xem host card or three from a PortServer II
- 16 DB-25 EIA-422 asynchronous serial port
- Can also connect to other Digi products:EPC/CON concentrators or PortServer II
- External Bus Interface (EBI) technology uses HD44 female connectors on the PORTS Modules to daisy-chain additional ports via a 16-inch (40.6 cm) cable
- Surge protection on all EIA-232 and EIA-422 signals
- Supports full modem control and full hardware handshaking (CTS, RTS, DSR, DTR and DCD) on all channels

## OPERATING SYSTEMS

- AIX
- Compaq Tru64 UNIX,OpenVMS<sup>®</sup>
- HP-UX
- Microsoft Windows 95/98/ME
- Microsoft Windows Server 2003,2000,XP, NT
- Linux
- Novell NetWare<sup>®</sup>
- OS/2<sup>®</sup>
- QNX<sup>®</sup>
- SCO OpenServer, UnixWare
- Solaris™ SPARC,Intel

\* Most drivers ship with product on CD-ROM. For driver updates, visit Digi's web site at [www.digi.com/drivers](http://www.digi.com/drivers) Legacy driver only.

## ENVIRONMENTAL

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

## POWER REQUIREMENTS

### PCI Host Card

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

### ISA Host Card

- +5 V +/-5% 1.75 Amps typical, plus module power drain

## SYSTEM REQUIREMENTS

### ISA

- One full-length 16-bit slot
- 32 K unused memory address space for static RAM
- One unused I/O port address

### PCI

- One full-length 32-bit or 64-bit slot
- One 3.3V or 5V slot

## 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

Model	Part Numbers
<b>EIA-232 Solutions (Kit includes card,5' EBI cable and PORTS module)</b>	
AccelePort 8em-PCI RJ-45	70001206
AccelePort 8em-PCI DB-25	70001208
AccelePort 16em-PCI RJ-45	70001201
AccelePort 16em-PCI DB-25	70001203
AccelePort 16em-PCI RJ-45 Rack (1U 19-inch Rack)	70001757
<b>EIA-422 Solutions (Kit includes card,5' EBI cable and PORTS module)</b>	
AccelePort 16em-PCI EIA-422 DB-25	70001559
<b>Optional Accessories</b>	
PORTS/8em module DB-25 <sup>†</sup>	76000120
PORTS/8em module RJ-45 <sup>†</sup>	76000122
PORTS/16em module DB-25 <sup>†</sup>	76000073
PORTS/16em module RJ-45 <sup>†</sup>	76000074
PORTS/16em Rack RJ-45 <sup>†</sup> (1U 19-inch Rack)	76000617
PORTS/16em module EIA-422 DB-25 <sup>†</sup> (NA Version ships w/power supply & power cord)	76000535
PORTS/16em module EIA-422 DB-25 (International Version - ships with external 43 W, 100-250 V 50/60 Hz power supply) <sup>†</sup>	76000548
Xem 120 V Power Supply Package	76000109
Xem International Power Supply Package (100-250 V)	76000321
19" Rack Mount Chassis (2U)	76000611
48" Cable RJ-45 to DB-25M straight thru (One adapter cable needed per port)	76000195
48" Cable RJ-45 to DB-9M straight thru (One adapter cable needed per port)	76000240
48" Cable RJ-45 to DB-25M crossover (One adapter cable needed per port)	76000238
48" Cable RJ-45 to DB-9M crossover (One adapter cable needed per port)	76000264
<sup>†</sup> 16" daisy chain cable included	
For ISA bus part numbers, see our website <a href="http://www.digi.com">www.digi.com</a>	

## 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>

### Digi International

11001 Bren Road E.  
Minnetonka, MN 55343  
U.S.A.  
PH: 877-912-3444  
952-912-3444  
FX: 952-912-4952

### Digi International GmbH

Joseph-von-Fraunhofer Str. 23  
D-44227 Dortmund  
Germany  
PH: +49-231-9747-0  
FX: +49-231-9747-111

### Digi International (HK) Limited

Suite 1101-02, 11/F  
K Wah Centre  
191 Java Road  
North Point, Hong Kong  
PH: +852-2833-1008  
FX: +852-2572-9989

[www.digi.com](http://www.digi.com)

email:  
[info@digi.com](mailto:info@digi.com)

