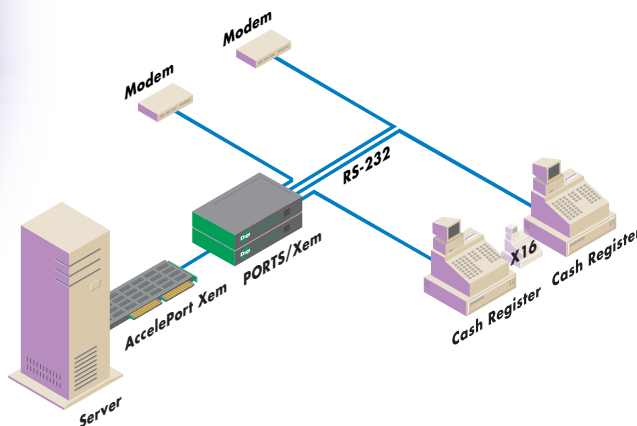


# AccelePort<sup>®</sup> Xem

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.



## Features/Benefits

- > Expandable up to 64 ports from a single host slot
- > Universal PCI bus slot supports 3.3v & 5v
- > Low profile PCI option
- > ISA bus product available
- > 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 (3.3v & 5v) or ISA-based 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<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 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<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
- PCI 2.3/PCI-X compatible
- Low profile PCI option
- 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
- Auxiliary power supply package (PN 76000109 in North America or 76000321 for International) required when using more than two 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 ISA and PCI platforms & PortServer II
- Eight 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 Digi EPC/CON concentrators or PortServer II
- 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

### ISA Host Card

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

## OPERATING SYSTEMS

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

\* Driver updates available at [www.digi.com/drivers](http://www.digi.com/drivers).

<sup>†</sup> Legacy driver only

## SYSTEM REQUIREMENTS

### ISA Host Card

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

### PCI Host Card

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

## MODEL . . . . . PART NUMBERS

	High Profile PCI	Low Profile PCI
<b>RS-232 Solutions (Kit includes card, 5'(1.5m) EBI cable and PORTS module)</b>		
AccelePort 8em-PCI RJ-45	70001206	70002009
AccelePort 8em-PCI DB-25	70001208	70002008
AccelePort 16em-PCI RJ-45	70001201	70002011
AccelePort 16em-PCI DB-25	70001203	70002010
AccelePort 16em-PCI RJ-45 rack (1U 19-inch rack)	70001757	70002012
<b>RS-422 Solutions (Kit includes card, 5'(1.5m) EBI cable and PORTS module)</b>		
AccelePort 16em-PCI RS-422 DB-25	70001559	70002017
<b>Expansion Modules</b>		
PORTS/8em module DB-25 †	76000120	76000120
PORTS/8em module RJ-45 †	76000122	76000122
PORTS/16em module DB-25 †	76000073	76000073
PORTS/16em module RJ-45 †	76000074	76000074
PORTS/16em rack RJ-45 † (1U 19-inch rack)	76000617	76000617
PORTS/16em module RS-422 DB-25 † (NA version ships w/ power supply & power cord)	76000535	76000535
PORTS/16em module RS-422 DB-25	76000548	76000548
(International version ships with external 43 W, 100-250v 50/60 Hz power supply)†		
<b>Optional Accessories</b>		
Xem 120v Power Supply Package	76000109	76000109
Xem International Power Supply Package (100-250v)	76000321	76000321
19" Rack Mount Chassis (2U)	76000611	76000611
48" Cable RJ-45 to DB-25M straight-through (One adapter cable needed per port)	76000195	76000195
48" Cable RJ-45 to DB-9M straight-through (One adapter cable needed per port)	76000240	76000240
48" Cable RJ-45 to DB-25M crossover (One adapter cable needed per port)	76000238	76000238
48" Cable RJ-45 to DB-9M crossover (One adapter cable needed per port)	76000264	76000264

† 16" (40.64cm) daisy-chain cable included

For ISA bus part numbers, visit [www.digi.com](http://www.digi.com).

## 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>

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