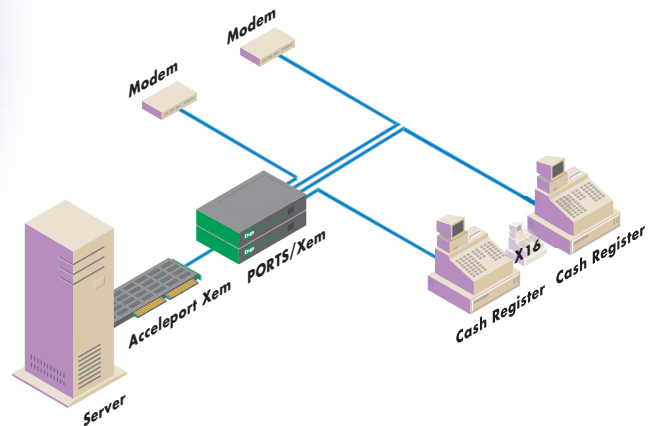


AccelePort[®] Xem

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.



Features/Benefits

- > Expandable up to 64 ports from a single host slot
- > Universal PCI bus slot supports 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 option

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 enables you to connect up to 64 EIA-232 or EIA-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[®] 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[™]

Features/Specifications

FEATURES

AccelePort Xem Host Card

- Supports both Universal PCI (3.3v & 5v) and ISA platforms
- PCI 2.3/PCI-X compatible
- 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 EIA-232 asynchronous serial ports (RJ-45 or DB-25)
- 1U 19-inch Rack Mount PORTS/16em for EIA-232
- 16 EIA-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

- +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

OPERATING SYSTEMS

- AIX
- Compaq Tru64 UNIX, OpenVMS¹
- HP-UX
- Microsoft Windows 95/98/ME
- Microsoft Windows Server 2003, 2000, XP, NT
- Linux
- Novell NetWare¹
- OS/2¹
- QNX¹
- SCO OpenServer, UnixWare
- Solaris™ SPARC, Intel

* Driver updates available at www.digi.com/drivers.

¹ Legacy driver only

SYSTEM REQUIREMENTS

ISA Host Card

- One full-length 16-bit slot
- 32 K 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

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

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
EIA-232 Solutions (Kit includes card, 5'(1.5m) EBI cable and PORTS module)	
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
EIA-422 Solutions (Kit includes card, 5'(1.5m) EBI cable and PORTS module)	
AccelePort 16em-PCI EIA-422 DB-25	70001559
Expansion Modules	
PORTS/8em module DB-25 †	76000120
PORTS/8em module RJ-45 †	76000122
PORTS/16em module DB-25 †	76000073
PORTS/16em module RJ-45 †	76000074
PORTS/16em Rack RJ-45 † (1U 19-inch Rack)	76000617
PORTS/16em module EIA-422 DB-25 † (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) †	76000548
Optional Accessories	
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
† 16" (40.64cm) daisy chain cable included	

For ISA bus part numbers, visit 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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