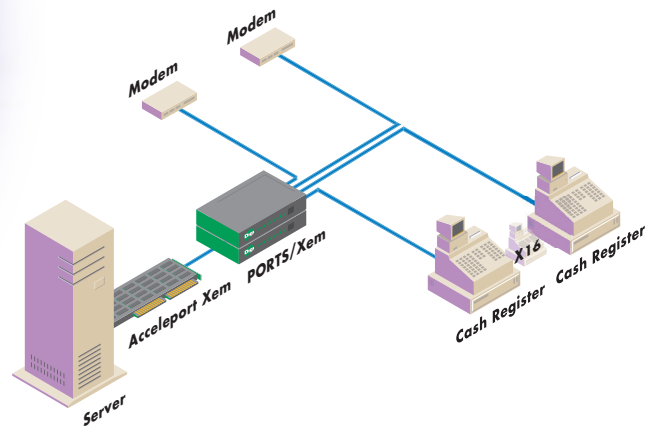
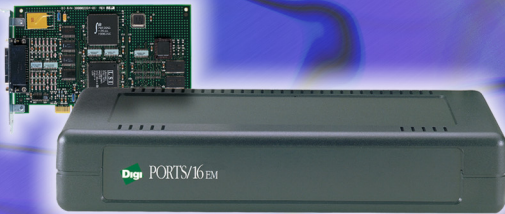


AccelePort[®] Xem

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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