

AccelePort Xem



- > High-speed dial-in/dial-out remote I/O connections for high-performance remote access systems
- > Expansion up to 64 ports from a single host slot
- > Delivers optimum data speeds up to 115.2 Kbps
- > Available for PCI and ISA platforms
- > Ideal for connecting modems, terminals, printers, instruments and other serial devices
- > Eight and 16 ports
- > EIA-232 and EIA-422 solutions

The AccelePort® Xem asynchronous concentrator is an expandable, modular and intelligent serial communication adapter designed specifically for small to mid-size installations. The Digi AccelePort Xem is optimized for configuring high performance multiuser systems and broad-based server solutions for remote access environments.

If your business is looking to reap all the benefits of high-performance workgroup computing at the lowest price per port, look no further than the AccelePort Xem. This powerful system lets you connect up to 64 high-speed EIA-232 or EIA-422 serial ports to a PCI or ISA based system. The result is a fast, reliable way to connect terminals, printers, modems, instruments, and other serial peripherals, making it perfect for applications such as multi-point data acquisition, office/factory automation, and industrial control processing.

These systems feature a host adapter card with a powerful on-board RISC-based processor that delivers 115.2 Kbps performance allowing applications to run faster. They also include a compact Digi PORTS Module that provides access to eight or 16 high-speed EIA-232 serial ports or 16 EIA-422 serial ports. When configured for 32 ports using Digi's exclusive Extended Bus Interface (EBI), for example, AccelePort Xem solutions provide performance up to 115.2 Kbps, allowing each port to take full advantage of the high transmission speeds that are possible with today's modems, and providing remote users with access to LAN resources.

In addition to supporting PCI and ISA platforms, the AccelePort Xem works in concert with popular UNIX® and RAS environments from Linux®, Microsoft®, Novell®, SCO®, Hewlett Packard® and Sun Microsystems.™

By offering so many advanced features at such an affordable price, it's easy to see why the Digi AccelePort Xem is the industry's price and performance leader.

Fast, modular
intelligent
serial solutions
that expand up
to 64 ports



Connectability

FEATURES

AccelePort Xem Host Adapter

- > PCI and ISA host expansion slot
- > Supports data transfer rates up to 115.2 Kbps
- > On-board IDT 3051 RISC processor with its patented Front End Processor/Operating System (FEP/OS)
- > 32 K memory window for installation flexibility (ISA only)
- > Supports four Digi PORTS Modules for a maximum of 64 ports
- > Female HD44 connector to connect the first Digi PORTS Module via a 5-foot (1.5 m) cable

Digi PORTS Modules

- > Eight or 16 EIA-232 asynchronous serial ports: PORTS/8em or PORTS/16em, RJ-45 or DB-25
- > 16 EIA-422 asynchronous serial ports: PORTS/16em EIA-422 DB-25
- > 115.2 Kbps performance capabilities
- > Surge protection on all EIA-232 and EIA-422 signals
- > Jumper-free installation
- > EBI technology uses HD44 female connectors on the PORTS Modules to daisy-chain additional ports via a 16-inch (40.6 cm) cable
- > Auxiliary power supply is required when using two or more PORTS Modules
- > Supports full modem control and full hardware hand-shaking (CTS, RTS, DSR, DTR and DCD) on all channels
- > Can also connect to other Digi EBI products including EPC/CON Concentrators, PortServer II, and MODEM/Xem

POWER REQUIREMENTS

PCI Host Adapter

- > +5V +/-5% 1.8 Amps typical

ISA Host Adapter

- > +5V +/-5% 1.4 Amps typical

REGULATORY APPROVALS

- | | |
|------------------------|-------------------|
| > FCC Part 15, Class A | > UL 1950 |
| > ICES-003 Class A | > CSA 22.2 No 950 |
| > EN55022, Class A | > EN60950 |
| > EN50082-2 | > AS3548 |

MODEL/PART NUMBERS

Model

EIA-232 Solutions

- AccelePort 8em-ISA RJ-45
- AccelePort 8em-ISA DB-25
- AccelePort 16em-ISA RJ-45
- AccelePort 16em-ISA DB-25
- AccelePort 8em-PCI RJ-45
- AccelePort 8em-PCI DB-25
- AccelePort 16em-PCI RJ-45
- AccelePort 16em-PCI DB-25

EIA-422 Solutions

- AccelePort 16em-ISA EIA-422 DB-25
- AccelePort 16em-PCI EIA-422 DB-25

Optional Accessories

- PORTS/8em DB-25
- PORTS/8em RJ-45
- PORTS/16em DB-25
- PORTS/16em RJ-45
- PORTS/16em EIA-422 DB-25
- PORTS/16em EIA-422 DB-25 (International Version)**
- Xem 120 V Power Supply Package*
- Xem International Power Supply Package*
- * Only necessary after two PORTS modules have been added
- ** Ships with external 43 W, 100-250 V 50/60 Hz power supply
- Cable RJ-45/DB-25-male 24-inch
- Cable RJ-45/DB-25-male 48-inch
- One adapter cable needed per port*

Part Numbers

- # 70000810
- # 70000838
- # 70000692
- # 70000749
- # 70001206
- # 70001208
- # 70001201
- # 70001203
- # 70001558
- # 70001559
- # 76000120
- # 76000122
- # 76000073
- # 76000074
- # 76000535
- # 76000548
- # 76000109
- # 76000321
- # 76000129
- # 76000195

SYSTEM REQUIREMENTS

ISA

- > One full-length 16-bit slot
- > 8 K or 32 K unused memory address space for static RAM
- > One unused I/O port address

PCI

- > One full-length 32-bit slot

ENVIRONMENTAL REQUIREMENTS

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

SOFTWARE COMPATIBILITY

- | | |
|---|---------------------|
| > AIX | > OS/2 |
| > Digital OpenVMS | > QNX |
| > Digital UNIX | > SCO OpenServer* |
| > HP-UX | > SCO UnixWare* |
| > Linux | > Sun Solaris SPARC |
| > Microsoft Windows 95 and 98, Windows NT * | > Sun Solaris x86 |
| > Novell NetWare* | > UNIX SVR4 |

*Drivers ship with product on CD-ROM.

DIGI SERVICE AND SUPPORT

You can purchase with confidence knowing that Digi is here to support you with expert technical support, a strong five-year warranty and a 30-day money-back guarantee.

For driver updates, visit Digi's web site at www.digi.com

Digi International
11001 Bren Road E.
Minnetonka, MN 55343
U.S.A.

<http://www.digi.com>

Customer Support and Technical Support:

North America:
800-344-4273
612-912-3456
support fax:

612-912-4958

Europe:
(+49) 231 9747 280

Hong Kong:
(+852) 2833 1008

Australia:
(+61) 2 9680 8944

e-mail:
cust_serv@digi.com



Connectability