

Features/Specifications

Features

AccelePort Xem Host Adapter

- Fits in one standard PCI, ISA or EISA host expansion slot
- Supports data transfer rates up to 115.2 Kbps
- 20 MHz IDT 3051 RISC processor
- 32K memory window for installation flexibility
- 256K dual-ported RAM
- Supports four Digi PORTS Modules for a maximum of 64 ports
- Female HD44 connector to connect the first Digi PORTS Module via a 5 ft (1.5 m) cable

Digi PORTS Modules

- Eight or 16 EIA-232 asynchronous serial ports: PORTS/8em or PORTS/16em
- RJ45 or DB25 connectors
- Quad UARTs 16C554
- 115.2 Kbps performance when configured for 32 ports
- Surge protection on all EIA-232 signals
- Jumper-free installation
- EBI technology uses HD44 female connectors on the PORTS Modules to daisy-chain additional ports via a 16" (40.6 cm) cable
- Auxiliary power supply is needed when using two or more PORTS Modules
- 19" Rack Chassis 2U available
- Supports full modem control and full hardware handshaking (CTS, RTS, DSR, DTR and DCD) on all channels

Environmental Requirements

- Ambient temperature: 50° F to 130° F (10° C to 55° C)
- Relative humidity: 5% to 90%
- Altitude: 0 to 12,000 ft (0 to 3,660 m)
- Air movement: 30 CFM forced

Operating System Compatibility

- Novell NetWare, Intranetware and BorderManager
- Windows NT, 95 and 98
- SCO ■ Solaris
- Unix SVR3 ■ Unix SVR4
- OS/2 ■ Linux
- Digital UNIX ■ QNX
- OpenVMS

Regulatory Approvals

- FCC, Part 15, Class A
- ICES-003, Class A
- EN55022, Class A
- EN 50082, Heavy Industry
- UL1950
- CSA 22.2 No. 950
- EN 60950

System Requirements

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

Digi Service and Support

You can purchase with confidence knowing that Digi is here to support you with expert technical support, the industry's strongest warranty (five full years) and a 30 day money-back guarantee.

For driver updates, visit Digi's ftp web site at www.ftp@dgii.com.

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GSA: GS-35F-3395D.



Power Requirements

PCI Host Adapter	ISA Host Adapters	EISA Host Adapters
+5V + 5% 1.8 Amps typical	+5V + 5% 1.4 Amps typical	+5V + 5% 0.87 Amps typical

Dimensions

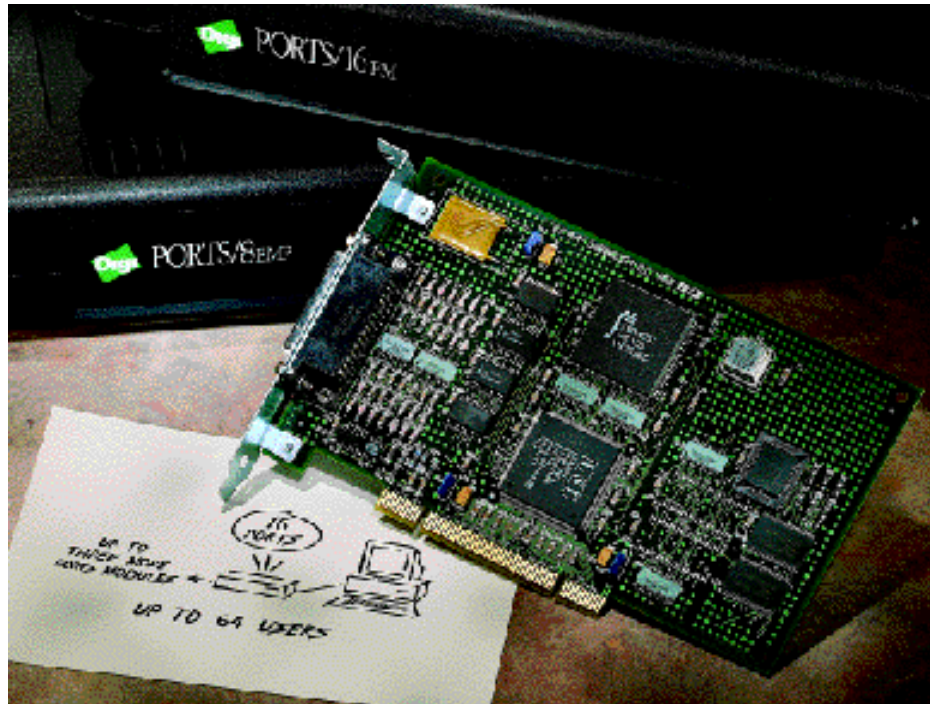
Host adapter	Height	Length	Width	Weight
PCI	.5 in (12.7 cm)	6.88 in (17.47 cm)	4.2 in (10.6 cm)	6.45 oz. (.18 kg)
ISA	.6 in (1.52 cm)	11.2 in (28.45 cm)	3.7 in (9.4 cm)	9 oz. (.25 kg)
EISA	.6 in (1.52 cm)	10.8 in (27.43 cm)	3.8 in (9.65 cm)	9 oz. (.25 kg)
PORTS Modules				
DB25 (8-Port)	2.42 in (6.15 cm)	12 in (30.48 cm)	7 in (17.78 cm)	
DB25 (16-Port)	4.3 in (10.92 cm)	12 in (30.48 cm)	7 in (17.78 cm)	
RJ45 (8 & 16-Port)	2.42 in (6.15 cm)	12 in (30.48 cm)	7 in (17.78 cm)	

Models and Part Numbers

Selected Models & Part Numbers	N. American/International
PCI	
AccelePort/8em with RJ45 connectors	70001206
AccelePort/8em with DB25 connectors	70001208
AccelePort/16em with RJ45 connectors	70001201
AccelePort/16em with DB25 connectors	70001203
ISA	
AccelePort/8em with RJ45 connectors	70000810
AccelePort/8em with DB25 connectors	70000838
AccelePort/16em with RJ45 connectors	70000692
AccelePort/16em with DB25 connectors	70000749
EISA	
AccelePort/8em with RJ45 connectors	70000814
AccelePort/8em with DB25 connectors	70000840
AccelePort/16em with RJ45 connectors	70000696
AccelePort/16em with DB25 connectors	70000751
Additional PORTS Modules	
PORTS/8em with RJ45 connectors	76000122
PORTS/8em with DB25 connectors	76000120
PORTS/16em with RJ45 connectors	76000074
PORTS/16em with DB25 connectors	76000073

Digi AccelePort Xem Family

Fast, Modular Intelligent Serial Solutions That Expand Up to 64 Ports



P R O D U C T
P R O F I L E

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

In companies around the globe, the problem's the same. Remote office employees and telecommuters are demanding fast, reliable access to corporate LAN resources. Local users need connections to distant workgroups. And everyone is clamoring for affordable high-speed connections to the Internet. When these pressures mount, the Digi AccelePort Xem Family provides the relief you need.

The AccelePort Xem Family is a line of expandable, modular and intelligent serial communication products designed specifically for small to mid-size installations. Digi's AccelePort Xem systems are optimized for configuring high performance multiuser systems and broad-based server solutions for remote access environments.

These systems feature a host adapter card with a powerful RISC-based processor that delivers 115.2 Kbps performance. They also include a compact Digi PORTS Module that

provides access to eight or 16 high-speed EIA-232 serial ports.

When additional ports are required, Digi's exclusive Extended Bus Interface (EBI)[™] makes expansion remarkably easy. Simply daisy-chain up to three additional Digi PORTS Modules to your original module, and you'll have a custom connectivity solution featuring up to 64 ports — all from a single host slot.

In addition to supporting PCI, ISA and EISA platforms, the AccelePort Xem Family works in concert with popular multiuser and network operating environments including SCO, Solaris, Unix SVR4, Windows NT and Novell.

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



Speed, Reliability, Intelligence and Expandability Run in the AccelePort Xem Family.

High-Speed Serial Ports

The AccelePort Xem Family provides serial data communication rates that are significantly higher than the speeds you get from standard, non-intelligent COM1/COM2 ports. When configured for 32 ports, for example, AccelePort Xem solutions provide performance up to 115.2 Kbps. This allows each port to take full advantage of the high transmission speeds that are possible with today's V.34 and 56 Kbps modems and ISDN TAs.

On-Board Serial I/O Processing

Digi achieves its high performance by combining an on-board 20 MHz IDT 3051 RISC-based processor with its patented Front End Processor/Operating System (FEP/OS). The FEP/OS reduces host CPU I/O overhead to less than .5% of total capacity by handling serial I/O communication interrupts, character processing and data transfers. As a result, applications run faster. Hardware/software flow control delivers the absolute data integrity required for demanding remote access environments.

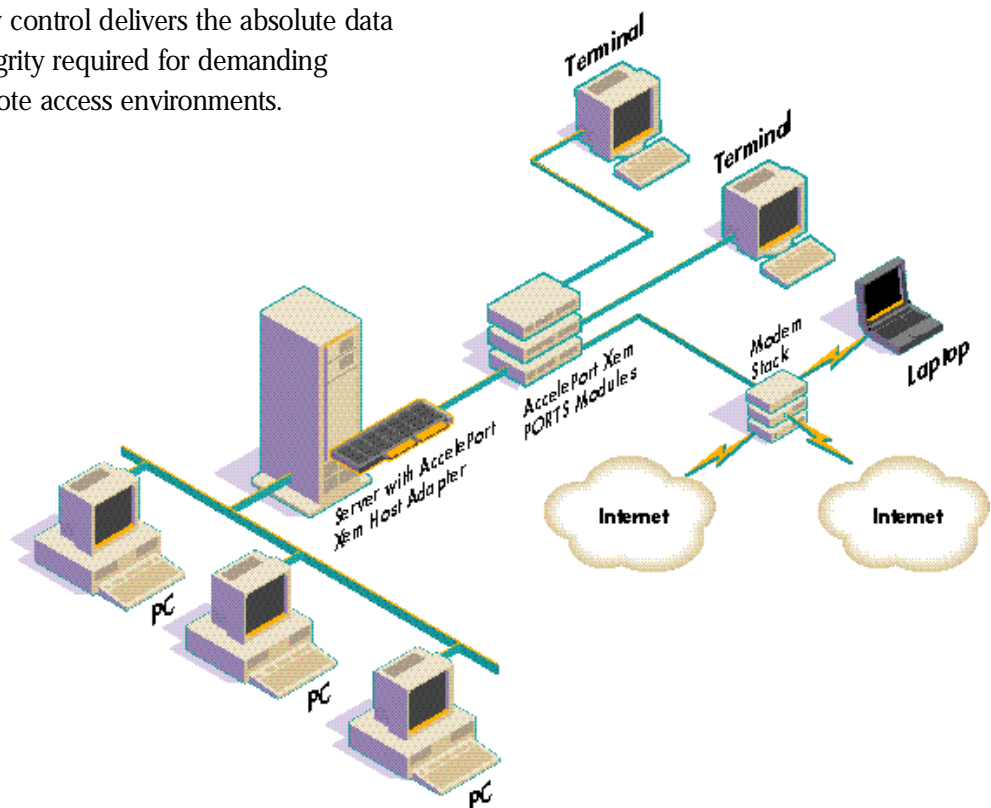
Effortless System Expansion

All solutions feature Digi's exclusive Extended Bus Interface (EBI). This convenient, flexible feature provides an easy way to expand your system to meet the changing needs of your business. Simply daisy-chain up to four Digi PORTS Modules together, and you can serve up to 64 users from a single host slot.

Digi Device Driver Software

Digi's device driver software works with popular multiuser/multitasking operating systems and remote access environments. For convenience, the device drivers support multichannel serial port operations without the need for user programming. In addition, they give network management a single point through which all serial communication traffic can be controlled.

- 20MHz IDT 3051 RISC processor
- 256K dual-ported RAM
- Each Digi PORTS Module provides eight or 16 high-speed serial ports
- Surge protection on all ports
- DB25 or RJ45 connector options



Surge Protection

The AccelePort Xem Family gives you more than high performance and expandability. You get exceptional reliability, too. All EIA-232 signals passing through the PORTS Modules are safeguarded by built-in surge protection. This ensures that I/O traffic will not be interrupted by electrical interference, surges or spikes.

Connector Options

Digi PORTS/8em and PORTS/16em Modules deliver convenient access to eight or 16 high-speed EIA-232 asynchronous serial ports via RJ45 or DB25 connectors.



- Digi's Extended Bus Interface (EBI) connectors make adding ports as easy as plugging in additional PORTS Modules
- A single AccelePort Xem can support a total of four connector modules providing up to 64 ports from a single host slot

Multuser Solution

If you're 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 ports to a multiuser PCI, ISA and EISA system. The result is a fast, reliable way to connect terminals, printers and modems, making it perfect for applications such as multiple-point data acquisition and office/factory automation.

AccelePort Xem includes drivers for use in a wide variety of multiuser environments including SCO Open Server, Sun Solaris, SCO UnixWare, Unix SVR3 and Unix SVR4, QNX, Digital UNIX, OpenVMS and Linux.

Remote Access Solution

Whether you want to provide remote users with access to corporate LAN resources or provide local users with connections to remote workgroups or the Internet, AccelePort Xem is your solution. It provides high-speed serial ports to connect anywhere from eight to 64 modems to a network file server, allowing you to maximize performance of today's fastest modem technologies.

AccelePort Xem is available for PCI, ISA and EISA platforms and comes with drivers for easy integration into remote access environments running Novell NetWare Connect, Microsoft Windows NT and OS/2.