

# AccelePort EPC/X

High  
performance  
asynchronous  
cluster  
technology



Offering the highest performing serial I/O expansion, the Digi AccelePort® EPC/X asynchronous concentrator provides the freedom to configure workgroups that serve more ports in more locations than any other solution. Available for PCI and ISA platforms, the AccelePort EPC/X Family supports up to 224 ports per slot and a thousand-plus ports per host system.

The AccelePort EPC/X Family supports multiuser and remote access environments. Each system includes an intelligent RISC-based host adapter card, plus one or more EPC/CON-16 Concentrators that can be daisy-chained at distances up to 1000 feet (300 meters) from the host or remotely connected via several cabling options with no loss of performance. A fiber optic cabling option allows you to locate your workgroups up to 1.25 miles (2 km) apart. Connections from the concentrators to the EIA-232 devices deliver peak speeds up to

115.2 Kbps—all the speed you need to easily support heavy concurrent traffic on large V.34 modem banks. By using synchronous modems, you can locate concentrators anywhere in the world and enjoy a seamless remote access solution from your system while delivering “local” performance for each remote user.

In addition to supporting a wide range of platforms, the AccelePort EPC/X Family is engineered to work in concert with a broad range of RAS and UNIX-based operating environments. The AccelePort EPC/X Family supplies broad-based server solutions for remote access environments, supporting Novell® NetWare® and Microsoft® Windows NT®.

So if you're looking for a cost-effective, scalable serial connectivity solution that doesn't compromise on performance, take a closer look at the Digi AccelePort EPC/X Family. You'll see that it's an ingenious connectivity solution that can meet your needs today and allow you the freedom to easily grow in the future.

- > Expandable, high performance system for large-scale remote access and multiuser applications
- > Supports up to 224 ports from a single slot, a thousand-plus ports from a single host
- > Delivers data transmission speeds up to 115.2 Kbps
- > Supports serial ports just about anywhere – throughout a building, across town or around the world using synchronous modems, CSUs/DSUs, ISDN terminal adapters or fractional T1s
- > Accommodates extensive dial-in/dial-out connections for remote access
- > Available for PCI and ISA platforms
- > On-board processing relieves host CPU of communication bottlenecks



Connectability

## FEATURES

### AccelePort EPC/X Family Host Adapters

- > PCI and ISA bus adapters
- > IDT 3051 RISC processor on-board
- > Hitachi 64570 serial communications controller, fully supported by DMA, driving two full-duplex EIA-422 synchronous channels
- > Supports two 10 Mbps bi-directional data transmissions on each EIA-422 channel
- > 1 MB of dual-ported RAM with 32 K memory window; 2 MB of triple-ported DRAM on PCI
- > Surge protection on both EIA-422 lines
- > 10 Mbps transmission rate from host adapter to concentrators
- > Daisy chain up to 14 Digi EPC/CON Concentrators or PORTS Modules per slot for a total of 224 ports
- > Compatibility with EIA-232 or EIA-422 synchronous modems, CSU/DSUs, Frame Relay access devices, Fractional T1s and ISDN terminal adapters

### Digi EPC/CON-16 Concentrators

- > Sixteen EIA-232 asynchronous serial ports with RJ-45 or DB-25 connectors
- > IDT 3051 RISC processor on-board
- > 1 MB RAM; 256K ROM
- > 10 Mbps bi-directional data transmission speed on synchronous channel
- > 115.2 Kbps data transmission speeds on serial ports
- > Pass-through fault-tolerance on folded ring daisy chain connections
- > Supports up to three or more additional Digi PORTS Modules or Digi MODEM/Xem Modules (North America only) from the AccelePort Xem product line
- > Surge protection on all EIA-232 signals
- > Copper wire or optional fiber optic connections
- > Two LEDs provide input and output flow control information for any port you select
- > Eight LEDs provide critical information on data and line status
- > Reporting capabilities include Activity Display, Line Utilization, Processor Utilization, Packet Count and Error Count
- > Performs diagnostics and monitors individual port activity at the workgroup level

## REGULATORY APPROVALS

- |                        |                    |
|------------------------|--------------------|
| > FCC Part 15, Class A | > EN50082-1        |
| > ICES-003, Class A    | > UL 1950          |
| > EN55022, Class A     | > CSA 22.2 No. 950 |
| > AS3548               | > EN60959          |

## MODEL/PART NUMBERS

Model/Part Numbers	North America	International
<b>PCI</b>		
AccelePort EPC/X System RJ-45	# 70001124	# 70001125
AccelePort EPC/X System DB-25	# 70001183	# 70001184
AccelePort EPC/X Host Adapter Only	# 77000427	# 77000427
<b>ISA</b>		
AccelePort EPC/X System RJ-45	# 70000640	# 70000698
AccelePort EPC/X System DB-25	# 70000987	# 70000988
AccelePort EPC/X Host Adapter Only	# 77000146	# 77000146
<b>Additional Concentrator Boxes</b>		
EPC/CON-16 RJ-45	# 76000059	# 76000076
EPC/CON-16 DB-25	# 76000060	# 76000116
<b>Options</b>		
PORTS/8em RJ-45	# 76000122	# 76000122
PORTS/8em DB-25	# 76000120	# 76000120
PORTS/16em RJ-45	# 76000074	# 76000074
PORTS/16em DB-25	# 76000073	# 76000073
MODEM/4em	# 70000191 (N.A. only)	
MODEM/8em	# 70000190 (N.A. only)	

## POWER REQUIREMENTS

### ISA Host Adapters

- > +5 V +/- 5% 2.3 Amps typical
- > +12 V +/-5% .04 Amps typical
- > -12 V +/- 5% .04 Amps typical

### PCI Host Adapter

- > +5 V +/- 5% 1.5 Amps typical
- > +12 V +/- 5% 1.5 Amps typical
- > -12 V +/- 5% 1.5 Amps typical

### AccelePort /EPC/CON-16 Concentrators

- > 120 V - 240 V power supply included, 50-60 Hz (Universal)

## PC SERVER REQUIREMENTS

### ISA

- > One 16-bit slot
- > 32 K unused memory
- > One unused I/O port address

### PCI

- > One 32-bit slot

## OPERATING SYSTEM COMPATIBILITY

- |                         |                     |
|-------------------------|---------------------|
| > Digital OpenVMS       | > SCO OpenServer™*  |
| > Digital UNIX          | > SCO UnixWare™*    |
| > HP-UX                 | > SUN Solaris® x86  |
| > Microsoft Windows NT* | > SUN Solaris SPARC |
| > Novell NetWare*       | > UNIX SVR4*        |
| > OS/2                  |                     |

\* Drivers ship with product on CD-ROM.

For an updated list of software support via Digi and Third Party vendors, please contact your Digi sales representative or visit Digi's web site ([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, a strong five-year warranty and a 30-day money-back guarantee.

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**Connectability**