

# AccelePort EPC/X

High  
Performance  
Asynchronous  
Cluster  
Technology



- > Expandable, high performance system for large-scale remote access and multi-user 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, CSU/DSUs, ISDN terminal adapters or fractional T1s
- > Accommodates extensive dial-in/dial-out connections for remote access
- > Available for PCI platforms
- > On-board processing relieves host CPU of communication bottlenecks

## AccelePort EPC/X Overview

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 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 multi-user 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 workgroups to be placed 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 modem banks. By using synchronous modems, concentrators can be located anywhere in the world. The administrator can enjoy a seamless remote access solution from the system while delivering “local” performance to 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 Windows and UNIX-based operating environments. The AccelePort EPC/X Family supplies broad-based server solutions for remote access environments.

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 meets your needs today and allows you the freedom to easily grow in the future.



## FEATURES

### AccelePort EPC/X Family Host Adapters

- > PCI 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 a 10 Mbps bi-directional data transmission on each EIA-422 channel, two per adapter
- > 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 a combination of 14 EPC/CON concentrators and PORTS/Xem 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 Digi PORTS modules from the AccelePort Xem product line per EPC/CON concentrator box
- > 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
- > ICES-003, Class A
- > EN55022, Class A
- > AS3548
- > EN50082-2
- > UL 1950
- > CSA 22.2 No. 950
- > EN60950

## ENVIRONMENTAL

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

## MODEL / PART NUMBERS

Model	North America	International
AccelePort EPC/X system RJ-45	70001124	70001125
AccelePort EPC/X system DB-25	70001183	70001184
AccelePort EPC/X host adapter only	77000427	70000427
<b>Additional Concentrator Boxes</b>		
EPC/CON-16 RJ-45	76000059	70000076
EPC/CON-16 DB-25	76000060	70000116
<b>Options</b>		
PORTS/8em RJ-45	76000122	70000122
PORTS/8em DB-25	76000120	70000120
PORTS/16em RJ-45	76000074	70000074
PORTS/16em DB-25	76000073	70000073
PORTS/16em 1U 19-inch Rack RJ-45	76000617	70000617
Fiber Optic Kit	76000071	70000107
19-inch Rack Chassis - 2U for RJ-45	76000611	70000611

## POWER REQUIREMENTS

### 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)

## DIMENSIONS

### PCI Host Adapter

- > Length: 6.875 in (17.5 cm)
- > Depth: 0.6 in (1.5 cm)
- > Width: 4.2 in (10.7 cm)
- > Weight: 12 oz (0.34 kg)

### EPC/CON-16 RJ45

- > Length: 12.0 in (30.48 cm)
- > Depth: 2.42 in (6.15 cm)
- > Width: 7.0 in (17.78 cm)

### EPC/CON-16 DB25

- > Length: 12.0 in (30.48 cm)
- > Depth: 4.5 in (11.4 cm)
- > Width: 7.0 in (17.78 cm)

## PC SERVER REQUIREMENTS

- > One PCI 32-bit slot

## OPERATING SYSTEMS

- > Compaq OpenVMS & Tru64 UNIX
- > HP-UX\*
- > Linux\*
- > Microsoft Windows 2000, Windows XP & Windows NT\*
- > NCR UNIX MP-RAS
- > Novell NetWare\*
- > OS/2
- > SCO OpenServer™\*
- > SCO UnixWare™\*
- > Sun Solaris® x86\*
- > Sun Solaris SPARC\*

\* 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 at [www.digi.com/drivers](http://www.digi.com/drivers).

## 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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