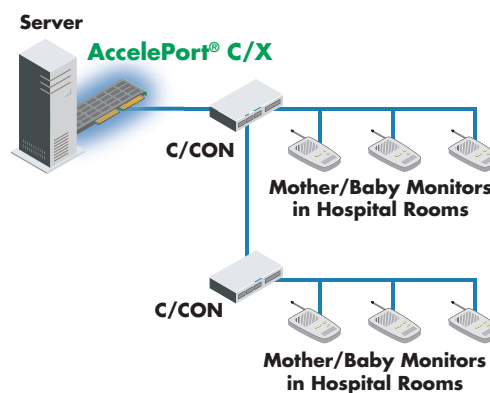


If you think configuring a large-scale multiport system is a complex, time-consuming process, think again. The AccelePort C/X asynchronous concentrator is fast, simple and surprisingly flexible.

Nurses Station



Features/Benefits

- Supports up to 128 ports from a single slot, hundreds of 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
- Configure and administer ports remotely, using synchronous modems, CSUs/DSUs, ISDN terminal adapters or fractional T1s
- On-board processing relieves host CPU of communication bottlenecks
- Available for PCI 3.3V or 5V (Universal Card)

Overview

The AccelePort C/X system supports multiuser retail Point-of-Sale (POS), office automation and data collection environments. It provides a sophisticated blend of technologies, including an intelligent host adapter plus a desktop or rack mounted Digi C/CON Concentrator with eight or 16 high-speed, surge-protected RS-232 serial ports. System expansion is painless – just add more concentrators when you need more ports. A single AccelePort C/X host adapter, which includes a powerful on-board processor, can support up to eight C/CON Concentrators, providing up to 128 ports from a single slot on your server. And, depending on your host platform, you can install as many as eight AccelePort C/X host adapters, enabling a single host system to support hundreds of ports.

For ease of installation and optimum flexibility, the concentrators can be located up to 1,000 feet (305 meters) from the host server using standard RS-422 cabling. A fiber optic cabling option allows you to locate your workgroups up to 1.25 miles (2 km) apart. This means that concentrators can be daisy-chained over a distance of up to 5 miles (8 km) with no loss of performance. Best of all, by using synchronous modems or multiplexer (mux), you can locate concentrators anywhere in the world and enjoy a seamless extension of your system. The perfect answer for remote office connections, these concentrators are a field-proven solution for supporting branch offices and isolated warehouses.

Features/Specifications

FEATURES

AccelePort C/X Host Adapters

- PCI Universal Card (3.3V/5V)
- 85C30 serial communications controller, fully supported by DMA, driving 2 full-duplex, surge-protected RS-422 synchronous channels
- IDT 3041 RISC processor
- Hitachi 64570 serial communications controller
- Supports up to 3.7 Mbps bi-directional transmission speeds

AccelePort C/CON Concentrators

- 8 or 16 RS-232 asynchronous channels with RJ-45 or DB-25 connectors
- 80186 processor on board in each concentrator
- 1 full-duplex RS-422 synchronous 85C30 channel with full DMA support
- Pass-through fault tolerance
- Surge protection on all RS-232 ports
- 120V or 240V power supply included, 50-60 Hz (Universal)
- Desktop or 19-inch rack chassis available
- Front panel display for testing, debugging and monitoring concentrator performance

REGULATORY APPROVALS

- FCC Part 15, Class B
- ICES-003, Class B
- EN55022, Class B
- AS3548
- EN50082-2
- UL 1950
- CSA 22.2 No. 950
- EN60950

POWER REQUIREMENTS

PCI Host Adapter

- +5V +/- 5% 0.90 Amps typical
- +12V +/- 5% 0.01 Amps typical
- -12V +/- 5% 0.01 Amps typical

AccelePort C/CON-8 and -16 Concentrators

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

AccelePort C/CON-16 Rack

- +12V +/- 5% 0.18 Amps typical
- -12V +/- 5% 0.05 Amps typical

OPERATING SYSTEMS

- AIX*
- HP-UX
- Linux®
- Windows Server™ 2003
- Windows® XP, Windows 2000, Windows NT®
- Novell NetWare®
- OpenVMS
- OS/2
- QNX
- SCO OpenServer
- SCO UnixWare
- SUN Solaris SPARC and Intel
- Tru64 UNIX

*Requires P/N 70001385

ENVIRONMENTAL

- Operating temperature: 10° C to 55° C (50° F to 131° F)
- Relative humidity: 5% to 90%
- Altitude: 0 to 3660 meters (0 to 12,000 ft)
- Air movement: 30 CFM forced

MODEL.....PART NUMBERS

Model	North America	International
AccelePort C/X Universal PCI (3.3V & 5V) 8-Port RS-232 DB-25 Concentrator	70001229	70001230
AccelePort C/X Universal PCI (3.3V & 5V) 8-Port RS-232 RJ-45 Concentrator	70001171	70001172
AccelePort C/X Universal PCI (3.3V & 5V) 16-Port RS-232 DB-25 Concentrator	70001231	70001232
AccelePort C/X Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 Concentrator	70001167	70001168
AccelePort C/X Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 1U Rack	70001175	70001176
Additional Concentrators		
AccelePort C/CON 8-Port RS-232 DB-25	76000218	76000219
AccelePort C/CON 8-Port RS-232 RJ-45	76000216	76000217
AccelePort C/CON 16-Port RS-232 DB-25	76000069	76000070
AccelePort C/CON 16-Port RS-232 RJ-45	76000067	76000068
AccelePort C/CON 16-Port RS-232 RJ-45 1U Rack	76000147	76000158
Host Adapter		
AccelePort C/X Universal PCI (3.3V & 5V) RS-232	77000448	77000448
Accessories		
AccelePort C/X Fiber Link Adapter	76000071	76000107
AccelePort C/CON Power Supply	76000351	76000694
19" Rack Chassis - 2U for AccelePort C/CON and Digi PORTS/Xem	76000611	76000611
AccelePort C/CON RS/6000 Compatibility Upgrade Kit (for 16-port C/CON only)	70001385	70001385
AccelePort C/X Host Adapter to RS-232 Sync Modem Cable	76000211	76000211
AccelePort C/X Host RS-232 Sync Modem to Remote Concentrator	76000212	76000212

DIMENSIONS

PCI Host Adapter

- Length: 6.875 in (17.5 cm)
- Width: 0.6 in (1.5 cm)
- Height: 4.2 in (10.7 cm)
- Weight: 5.45 oz (.15 kg)

C/CON-8 and -16 RJ-45 Concentrators

- Length: 12.0 in (30.48 cm)
- Width: 7.0 in (17.8 cm)
- Height: 2.3 in (5.8 cm)
- Weight: 2.25 lbs (1.02 kg)

C/CON-16 DB-25 Concentrators

- Length: 12.0 in (30.48 cm)
- Width: 7.0 in (17.8 cm)
- Height: 4.2 in (10.7 cm)
- Weight: 4.0 lbs (1.86 kg)

C/CON Rack

- Length: 17.5 in (44.45 cm)
- Width: 11.5 in (29.2 cm)
- Height: 1.75 in (4.44 cm)
- Weight: 7.0 lbs (3.2 kg)

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Digi International

11001 Bren Road E.
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U.S.A.
PH: 877-912-3444
952-912-3444
FX: 952-912-4952
email: info@digi.com

Digi International France

31 rue des Poissonniers
92200 Neuilly sur Seine
PH: +33-1-55-61-98-98
FX: +33-1-55-61-98-99
www.digi.fr

Digi International KK

NES Building South 8F
22-14 Sakuragaoka-cho,
Shibuya-ku
Tokyo 150-0031, Japan
PH: +81-3-5428-0261
FX: +81-3-5428-0262
www.digi-intl.co.jp

Digi International (HK) Limited

Suite 1703-05, 17/F.,
K Wah Centre
191 Java Road
North Point, Hong Kong
PH: +852-2833-1008
FX: +852-2572-9989
www.digi.cn

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