

Model 70001203

16-Port Asynchronous RS-232 Serial Card



FEATURES

- **16 Ports, Expandable to 64 on One Slot**
- **Supports Data Transfer Rates up to 115.2kbps**
- **20MHz IDT 3051 RISC Processor**
- **256k Dual-Ported RAM**
- **32k Memory Window**
- **Full Modem Control and Full Hardware Handshaking on all Channels**

DESCRIPTION

Digi's expandable AccelePort solutions maximize the performance of modems, minimize host CPU utilization and easily expand as your business grows. The Model 70001203 is an expandable solution that includes an intelligent host adapter card and a 16-port concentrator box. Simply add up to three more concentrators to expand the system.

The Digi Xem card 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, the Xem solutions provide performance up to 115.2kbps. This allows each port to take full advantage of the high transmission speeds that are possible with today's fastest modems and terminals.

The high performance is achieved by combining an on-board 20MHz IDT 3051 RISC based processor with Digi's 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 transfer. As a result, applications run faster. Hardware/software flow control delivers the absolute data integrity required for demanding remote access environments.

The concentrator box features the 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 PORTS Modules together and you can serve up to 64 users from a single host slot.

Device driver support works with popular multiuser/multitasking operating systems and remote user access. User programming is not required. Driver support includes Novell Netware Connect, Microsoft Windows NT and OS/2.

SPECIFICATIONS

Number of Ports

16, expandable to 64

Bus

PCI

Processor

20MHz IDT 3051 RISC

Baud Rate

Up to 115.2kbps
Up to 32 ports

Host Adapter Memory

256k dual-ported RAM

Memory Window

32k

Operating Temperature

10°C to 55°C

Humidity

5% to 90% RHNC

Altitude

0 to 12000ft

Power Requirements

+5VDC @ 1.8A typ.

Air Movement Required

30 CFM forced

Size

9" x 4.2" (228.6mm x 106.7mm)

Agency Approvals

FCC Part 15, Class A
ICES-003 Class A
EN 55022, Class A
EN 50082, Heavy Industry
UL-1950
CSA 22.2 No 950
EN 60950

ORDERING GUIDE

Model 70001203

Card, 16-port concentrator, manual, software,
cable

Model 76000120

8-port concentrator, cable

Model 76000073

16-port concentrator, cable



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