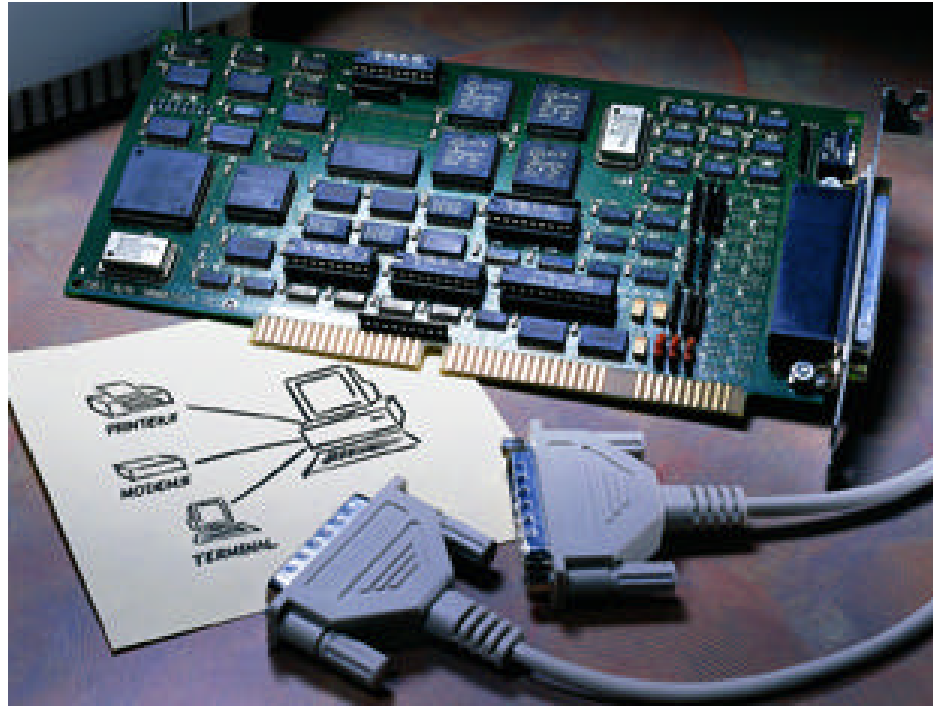


Digi AccelePort Xe Family

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

Intelligent Serial I/O for Small to Medium Workgroups



- Economical intelligent serial board for connecting multiuser terminals, printers and modems
- Two, four or eight EIA-232 serial ports for ISA
- Four or eight EIA-422 serial ports for ISA
- Delivers up to 115.2 Kbps on two ports; full 57.6 Kbps on four and eight ports
- On-board processing relieves host CPU of communication bottlenecks

Designed to deliver fast, reliable connections for multiuser workgroups, the AccelePort Xe Family of intelligent serial boards is a low-priced solution for supporting terminals, printers, modems and other asynchronous peripherals.

Recommended for point-of-sale, data acquisition and factory automation applications, the AccelePort Xe Family is among Digi's most popular selling add-in solutions. Equipped with powerful on-board I/O processing to reduce host CPU utilization, and supplied with full modem control and full hardware handshaking, the AccelePort Xe Family easily accommodates the varying connectivity needs of small to medium sized workgroups.

EIA-232 models are available in two, four or eight ports, while the EIA-422 models are offered in four or eight ports. The EIA-422

solutions enable users to transmit signals over greater distances and at higher speeds than standard EIA-232 communications and are generally immune to electrical interference and surges. These benefits make the EIA-422 solution a smart choice for industrial and manufacturing applications as well as wide-spread point-of-sale operations.

Supporting a broad spectrum of operating environments—including SCO, UNIX, Citrix, Solaris, Novell and Microsoft—the AccelePort Xe boards are packaged with popular UNIX drivers. Other device drivers are available from your Digi representative or can be easily downloaded from Digi's web site or ftp server.

For low-cost, accurate and dependable multiuser communications, the AccelePort Xe is among the smartest connection that you can make.



Features/Specifications

Features

- PC/2e, PC/4e and PC/8e with EIA-232 interfaces
- PC/4e and PC/8e with EIA-422 interfaces
- 12.5 MHz 80186 on two or four ports; 16 MHz 80186 on eight ports
- Memory—64K RAM (dual ported on ISA) with 8K memory window
- Supports 115.2 Kbps on two ports; full 57.6 Kbps on four or eight ports
- 8530 UART
- Optional surge protection
- Software configurable PC interrupts: 3, 4, 5, 7, 10, 11, 12, 15 or polled

Connectors

- Two-port models equipped with two DB9 connectors
- Four- and eight-port models equipped with female 78-pin D-style connectors
- Endplates plug into the following standard choices:
 - RJ45 connector box
 - DB25 I/O box
 - DB25 male cable assembly

System Requirements

- One 16-bit slot (32-bit for Micro Channel)
- 8K or 32K unused memory address space for static RAM
- One unused I/O port address

Power Requirements

ISA—Digi PC/2e

- +5V +/-5% 1.0 Amps typical
- +12V +/-5% .80 Amps typical
- -12V +/-5% .50 Amps typical

ISA—Digi PC/4e and PC/8e

- +5V +/-5% 1.9 Amps typical
- +12V +/-5% .11 Amps typical
- -12V +/-5% .11 Amps typical

Environmental Requirements

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

Regulatory Approval

- FCC, Part 15, Class B
- ICES-003 Class B
- EN 55022
- EN 50082-2
- UL 1950
- CSA 22.2 No.950
- EN 60950

Operating System Compatibility

- Windows NT, Windows 95, Windows 3.x
- SCO
- Novell NetWare
- QNX
- UnixWare
- Solaris X86
- OS/2
- Citrix
- UNIX SRV3
- UNIX SRV4

Optional

(Contact your Digi representative or download drivers from the ftp server at ftp.dgii.com or Digi's web site)

For an updated list of software support via Digi and other Third Party vendors, please contact your Digi sales representative.

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.

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GSA: GS-35F-3395D.



Pin Assignments

EIA-232			
DB9 Pin #	DB25 Pin #	Signal	
3	2	TXD	
2	3	RXD	
7	4	RTS	
8	5	CTS	
6	6	DSR	
5	7	SG	
1	8	DCD	
4	20	DTR	
9	22	RI	

RJ45 Pin #	Signal	Pins in Connector			
		10	8	6	4
1	RI	X	-	-	-
2	DSR	X	X	-	-
3	RTS	X	X	X	-
4	C.GND	X	X	X	X
5	TXD	X	X	X	X
6	RXD	X	X	X	X
7	SG	X	X	X	X
8	CTS	X	X	X	-
9	DTR	X	X	-	-
10	DCD	X	-	-	-

EIA-422	
DB25 Pin #	Signal
4	RTS+
19	RTS-
5	CTS+
13	CTS-
3	RXD+
16	RXD-
2	TXD+
14	TXD-

Dimensions

ISA	Length	Width	Height	Weight
Digi PC/2e	6.7 in (17.02cm)	3.5 in (8.9 cm)	0.5 in (1.27 cm)	3.25 oz. (.09 kg)
Digi PC/4e & PC/8e	8.7 in (22.1 cm)	3.5 in (8.9 cm)	0.5 in (1.27 cm)	4.5 oz. (.13 kg)

Models and Part Numbers

ISA	North American Part No.	International Part No.
AccelePort 2e DB9.....	77000248.....	77000450
AccelePort 4e EIA-232.....	77000035 + cable option.....	70000354 w/DB25 cable
AccelePort 8e EIA-232.....	77000037 + cable option.....	70000346 w/DB25 cable
AccelePort 4e EIA-422 w/DB9 cable.....	70001058.....	70001058
AccelePort 8e EIA-422 w/DB9 cable.....	70001059.....	70001059

In North America, the four- and eight-port EIA-232 connectors are ordered separately under separate part numbers. Order any of Digi's standard cabling options—RJ45 connector, DB25 I/O box or DB25 male cable assembly. No connector option is required for two-port models. EIA-422 models include connectors.

International part numbers include board plus connector. All standard four- and eight-port EIA-232 connector options are offered. (Including these options—RJ45 connector box, DB25 I/O box or DB25 male cable assembly.) EIA-422 connector options include DB9 or DB25 cables. Only selected part numbers are provided here, please contact your Digi representative for a complete listing.