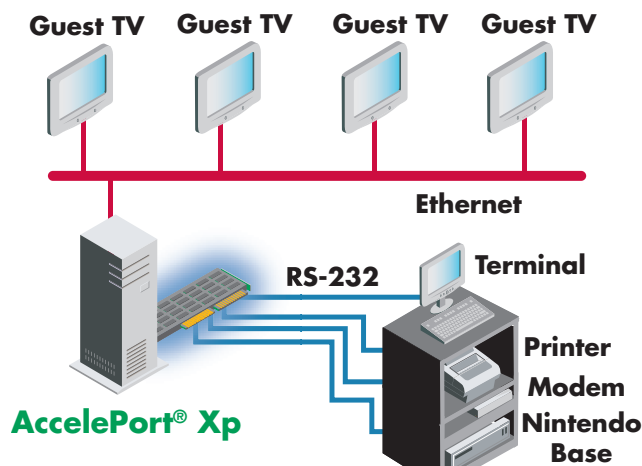# AccelePort® Xp

Multiport Serial Card

The AccelePort Xp makes device connectivity easy with excellent throughput, an unrivaled feature set, high reliability, quality and ease of installation. It is an ideal solution for all your serial communication needs.

Hospitality

Guest TV   Guest TV   Guest TV   Guest TV

Ethernet

RS-232   Terminal

Printer
Modem
Nintendo
Base

AccelePort® Xp

Features/Benefits

- Two to 16 RS-232 serial connections for port configuration flexibility

- Small form factor meets low profile PCI specifications

- External options connect to the adapter via a small SCSI HD-68 connector, reducing cable clutter and increasing connection reliability

- Surge protection on all signals for superior reliability

- Bus mastering design reduces CPU utilization

- Simultaneously supports data speeds of 921.6 Kbps, bi-directionally on all ports

- Ideal for retail/POS, industrial control processing, data collection and office automation

- PortAssist® Manager web-based management and reporting software enables basic diagnostics, enhanced network administration and monitoring on most supported operating systems

Overview

The AccelePort Xp Universal PCI (3.3V and 5V) card, available from two to 16 high-speed serial ports, provides wide application flexibility (retail point-of-sale, industrial control processing, data collection and office automation) and superior CPU utilization. This is achieved through the card's Application Specific Integrated Circuit (ASIC), which is built around an 80 Mhz RISC processor, providing the most advanced and highest performing design on the market today. And, unlike the competition, the AccelePort Xp communicates at 921.6 Kbps, bi-directionally, on each and every serial port.

The AccelePort Xp is available with a wide array of DB-9, DB-25 and RJ-45 connector options that include on board connectors, fan-out cables, external I/O boxes and rack-mountable chassis. External options connect to the adapter using a SCSI HD-68 connector, reducing cable clutter and increases connection reliability due to its small size.

PortAssist® Manager, Digi's web browser-based management and reporting software, is another great feature that allows the AccelePort Xp to perform basic diagnostics, enhanced network administration and monitoring on most supported operating systems. Additional diagnostic and monitoring tools are available on the supported Unix operating systems.

Digi®

Features/Specifications

FEATURES

- 2, 4, 8 or 16 RS-232 serial ports
- Low profile options for 4- and 8-port models
- DB-9, DB-25 and RJ-45 connectors
- PCI Universal Card (3.3V & 5V)
- 32- and 64-bit PCI slot
- PCI 2.3 compliant
- PCI-X compatible
- 80 Mhz RISC processor
- 921.6 Kbps throughput
- Full modem control
- Hardware/software handshaking
- 15 kV surge protection on all signals

REGULATORY APPROVALS

- FCC Part 15, Class B
- EN55022, Class B
- EN60950
- CSA 22.2, No. 950
- ICES-003, Class B
- AS3548
- EN55024
- UL 1950
- VCCI Class B

ENVIRONMENTAL

- Operating temperature:
  10º C to 55º C (50ºF to 131ºF)
- Storage temperature:
  -25º C to 85º C (-13ºF to 185ºF)
- Relative humidity: 5% to 90%
- Altitude: 0 to 12,000 ft
  (0 to 3660 m)
- Air movement: 30 CFM forced

POWER REQUIREMENTS

AccelePort 2p
- +5V +/-5%   63 0mA typical
- +12V +/-5%   50 mA typical

AccelePort 4p, 4p RJ-45, 8p
- +5V +/-5%   640 mA typical
- +12V +/-5%   100 mA typical

AccelePort 16p
- +5V +/-5%   1.4A typical
- +12V +/-5%   100 mA typical

CONNECTORS

AccelePort Xp 2-port
- 2 DB-9 male connectors

AccelePort Xp 4-port RJ-45
- 4 RJ-45 connectors

AccelePort Xp 4- and 8-port
- Single HD-68 female connector
- Connector options:
  - DB-25, RJ-45, DB-9 connector box with HD-68M 6-foot connector cable
  - DB-25 and DB-9 4-foot fan out cables - male or female

AccelePort Xp 16-port
- Dual HD-68 female connectors
- Connector options:
  - All 4- and 8-port connector box and fan-out cable options (2 needed for 16-port model)
  - DB-25 or RJ-45 desktop or 19″ rack mountable enclosures with 2 HD-68 connector cables

Legacy converter
- HD-68 male to DB-78 female converter for 4- and 8- port DB-78 connector options

DIMENSIONS

Model	Length	Height
2p	4.43 in (11.24 cm)	3.47 in (8.8 cm)
4p RJ-45	4.72 in (11.99 cm)	4.2 in (10.67 cm)
4p or 8p	4.72 in (11.99 cm)	2.475 in (6.29 cm)
16p	4.72 in (11.99 cm)	4.2 in (10.67 cm)

All AccelePort Xp cards have a width of 0.725 in (1.84 cm) and a weight of 6.0 oz (less than 0.19 kg)

OPERATING SYSTEMS

- Sun® Solaris™ (SPARC/Intel®)
- Windows® 2000/XP
- Windows NT®
- Windows 95/98/Me
- Windows Server™ 2003
- Novell Netware [†]
- AIX®
- SCO UnixWare®
- HP-UX®
- SCO OpenServer®
- Linux

MODEL.....................PART NUMBERS

Model	Worldwide
AccelePort Xp Universal PCI (3.3V & 5V) 2-Port RS-232 DB-9M On-Board	77000659
AccelePort Xp Universal PCI (3.3V & 5V) 4-Port RS-232	77000706
AccelePort Xp Universal PCI (3.3V & 5V) 4-Port RS-232 w/DB-25 Cable	70001549
AccelePort Xp Universal PCI (3.3V & 5V) 4-Port Low Profile RS-232	77000845
AccelePort Xp Universal PCI (3.3V & 5V) 4-Port RS-232 RJ-45 On-Board	77000838
AccelePort Xp Universal PCI (3.3V & 5V) 8-Port RS-232	77000707
AccelePort Xp Universal PCI (3.3V & 5V) 8-Port RS-232 w/DB-25 Cable	70001548
AccelePort Xp Universal PCI (3.3V & 5V) 8-Port Low Profile RS-232	77000846
AccelePort Xp Universal PCI (3.3V & 5V) 16-Port RS-232	77000708
AccelePort Xp Universal PCI (3.3V & 5V) 16-Port RS-232 w/RJ-45 Rack	70001557
AccelePort Xp Universal PCI (3.3V & 5V) 16-Port RS-232 w/DB-25 Rack	70001550
Accessories	
4-Port DB-25M Straight Fan-Out Cable	76000522
4-Port DB-9M Straight Fan-Out Cable	76000528
4-Port DB-25F Straight Fan-Out Cable	76000532
4-Port DB-9F Straight Fan-Out Cable	76000530
4-Port DB-25M Straight Connector Box w/Cable	76000524
4-Port DB-9M Straight Connector Box w/Cable	76000560
4-Port RJ-45 Straight Connector Box w/Cable	76000526
8-Port DB-25M Straight Fan-Out Cable	76000523
8-Port DB-9M Straight Fan-Out Cable	76000529
8-Port DB-25F Straight Fan-Out Cable	76000533
8-Port DB-9F Straight Fan-Out Cable	76000531
8-Port DB-25M Straight Connector Box w/Cable	76000525
8-Port DB-9M Straight Connector Box w/Cable	76000561
8-Port RJ-45 Straight Connector Box w/Cable	76000527
16-Port 2U 19″ Rack w/DB-25M Connectors (use w/two 8-port AccelePort Xp cards)	76000587
16-Port 1U 19″ Rack w/RJ-45 Connectors (use w/two 8-port AccelePort Xp cards)	76000588
HD-68M to DB-78F Converter (use with legacy accessories)	76000534

DIGI SERVICE AND SUPPORT - You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty. www.digi.com/support

WHEN RELIABILITY *MATTERS™*

Digi International, the leader in device networking for business, develops reliable products and technologies to connect and securely manage local or remote electronic devices over the network or via the web. With over 20 million ports shipped worldwide since 1985, Digi offers the highest levels of performance, flexibility and quality.

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