

Serial Cards

PCI/PCI-X/ISA Solutions

Our multiport serial card product line, including the original DigiBoard®, is the number one selling serial card product line in the world. Digi's solutions offer the highest level of operating system support, serial port capacity, I/O performance, transmission distance, environmental tolerance and upgradeability for all of your application needs.

As PCs and servers continue to become smaller, customers who utilize rack mount servers, for example, need smaller card solutions with increased port counts. This is causing demand to shift from ISA and high profile PCI to low profile PCI. Since we are committed to maintaining our position as the clear world leader in serial connectivity, we responded to this trend by extending our market-leading product line to include low profile bracket options.

Choose from High Performance, Expandable, Enhanced, Standard and Multi-Modem models to find the exact feature set your application requires.

High-Performance

Good at handling large batches of data (streaming video, printing) using microprocessors to off-load burden from PC.

Expandable

Start with eight ports and grow to as many as 128 per PC slot.

Enhanced and Standard

No microprocessor, so ideal for handling small bursts of data; very low latency.

Multi-Modem

Integrated modem adapters for high speed analog connections.

You might wonder whether our serial card solutions are supported in PCI-X systems. The answer is "Absolutely!" PCI-X is backwards-compatible with PCI cards and operates at 3.3 volts. All of our Universal PCI (3.3V and 5.5V) cards work in both the 32-bit and 64-bit slots of PCI-X systems.

What do you need to do?

- + Add 2 to 16 high-performance, intelligent, programmable serial ports..... **AccelePort Xp**
- + Add 4 to 8 RS-422 serial ports with broad OS compatibility **AccelePort Xr**
- + Utilize a cost-efficient serial connectivity solution that is expandable
to 64 ports per slot with rack options **AccelePort Xem**
- + Gain up to 128 highly-intelligent ports per slot with remote connectivity options..... **AccelePort C/X**
- + Install a serial card with low latency and flexible connector and power options
in a small form factor..... **Digi Neo**
- + Utilize a simple-to-install board with a 650 UART base..... **ClassicBoard**
- + Manage multiple fax machines in a small business to a single server **AccelePort RAS**

+ Serial Cards – PCI/PCI-X/ISA Solutions

High-Performance

- AccelePort® Xppg. 144-145
- AccelePort Xr® 920pg. 146-147

Expandable

- AccelePort® C/Xpg. 148-149
- AccelePort® Xempg. 150-151

Enhanced

- Digi Neo®pg. 152-153

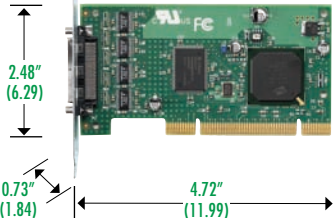
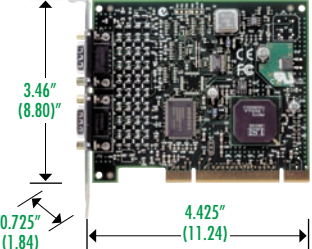
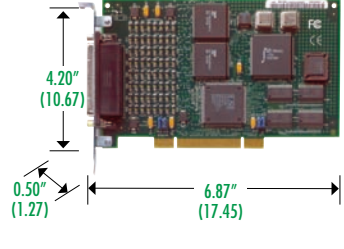
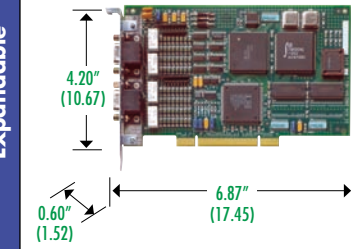
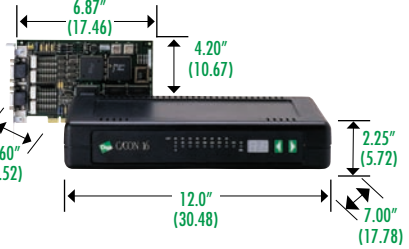
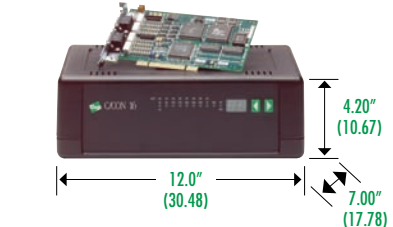
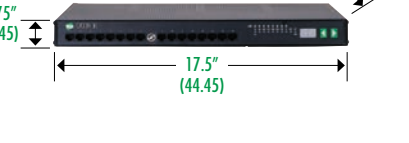
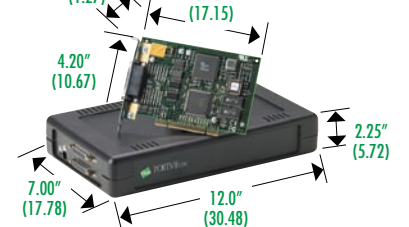
Standard

- ClassicBoard™pg. 154-155

Multi-Modem


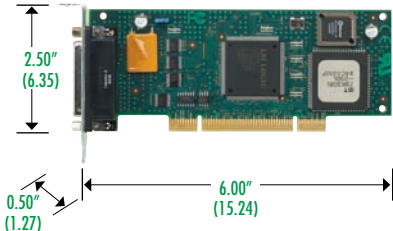
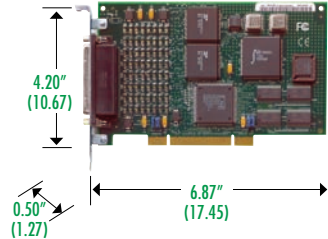
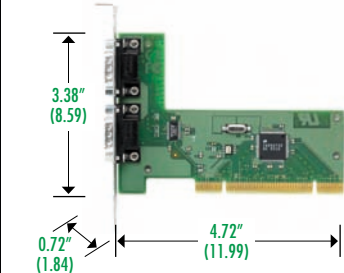
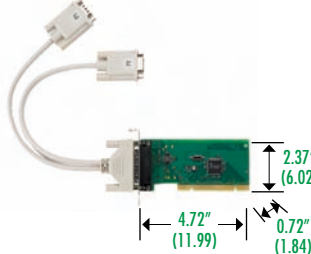
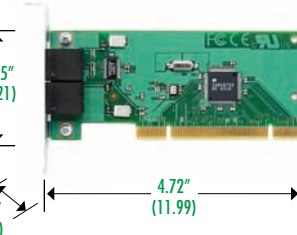
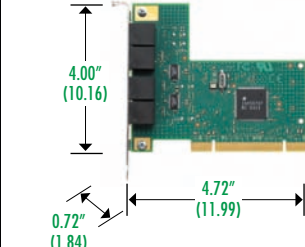
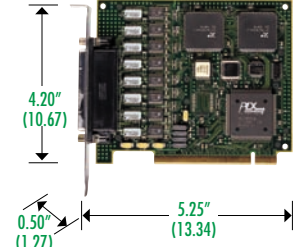
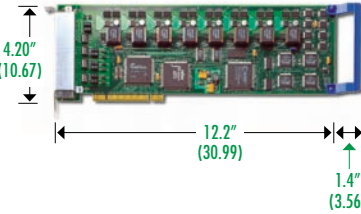
- AccelePort RAS®pg. 156-157

Multiport Serial Card Features Chart	High-Performance		AccelePort Xp		AccelePort Xr 232		AccelePort Xr 422		Expandable		AccelePort C/X		AccelePort Xem 232		AccelePort Xem 422		Enhanced		Digi Neo		Standard		ClassicBoard PCI		ClassicBoard ISA		Multi-Modem		AccelePort RAS	
	Bus Type	PCI/PCI-X	PCI/PCI-X		PCI/PCI-X	PCI/PCI-X		PCI/PCI-X			PCI/PCI-X		PCI/PCI-X								PCI (5V)		ISA				32-bit PCI (3.3V & 5V)			
	Serial or Modem* Ports	2/4/8/16	2/4/8 4/8		8 to 128	8 to 64		1/2/4/8			4/8		4/8								4/8		4/8				*4/8 V.90 56K Flex			
	Serial Type	RS-232	RS-232 RS-422		RS-232	RS-232 RS-422		RS-232			RS-232/422		RS-232								RS-232/422		RS-232							
	Connector	RJ-45, DB-9, DB-25	RJ-45, DB-9, DB-25 DB-9, DB-25		RJ-45, DB-25	RJ-45, DB-25 DB-25		RJ-45, DB-9, DB-25			RJ-45, DB-9, DB-25		RJ-45, DB-9, DB-25								RJ-45, DB-9, DB-25 RJ-45, DB-9, DB-25						RJ-11			
	Baud	921.6 Kbps	Up to 921.6 Kbps 230 Kbps		115.2 Kbps	115.2 Kbps 115.2 Kbps		Exceeding 460.8 Kbps			Up to 460.8 Kbps 115.2 Kbps																			
	Surge/ESD	15 kV	20 kV		15 kV	15 kV		15 kV			15 kV		15 kV								15 kV									
	Low Profile Models	4/8				8 to 64		1/2/4/8																						

High-Performance	AccelePort Xp 4/8-Port	 2.48" (6.29) 0.73" (1.84) 4.72" (11.99)
	AccelePort Xp 2-Port PCI	 3.46" (8.80) 0.725" (1.84) 4.425" (11.24)
High-Performance	AccelePort Xr 4/8-Port PCI	 4.20" (10.67) 0.50" (1.27) 6.87" (17.45)
	AccelePort C/X - PCI Host Adapter	 4.20" (10.67) 0.60" (1.52) 6.87" (17.45)
Expandable	AccelePort C/X - C/CON-8 and -16 RJ-45 Concentrators	 6.87" (17.46) 4.20" (10.67) 0.60" (1.52) 2.25" (5.72) 12.0" (30.48) 7.00" (17.78)
	AccelePort C/X - C/CON-16 DB-25 Concentrators	 4.20" (10.67) 12.0" (30.48) 7.00" (17.78)
Expandable	AccelePort C/CON Rack	 1.75" (4.45) 17.5" (44.45) 11.00" (27.94)
	AccelePort Xem	 0.50" (1.27) 6.75" (17.15) 4.20" (10.67) 2.25" (5.72) 7.00" (17.78) 12.0" (30.48)

Measurements: inch
(cm)

		Windows 2000/XP/ Server 2003	Windows NT 4.0	Windows 95/98/ME	AIX	HP-UX	SCO OpenServer	SCO UnixWare	Solaris Intel	Solaris SPARC	Linux
Operating System Chart	AccelePort Xp	•	•	•	•	•	•	•	•	•	•
	AcccelePort Xr	•	•	•	•	•	•	•	•	•	•
	AcccelePort C/X	•	•	•	•	•	•	•	•	•	•
	AcccelePort Xem	•	•	•	•	•	•	•	•	•	•
	Digi Neo	•	•	•		•					•
	ClassicBoard	•	•	•		•					•
	AccelePort RAS	•	•		•	•	•	•	•	•	•

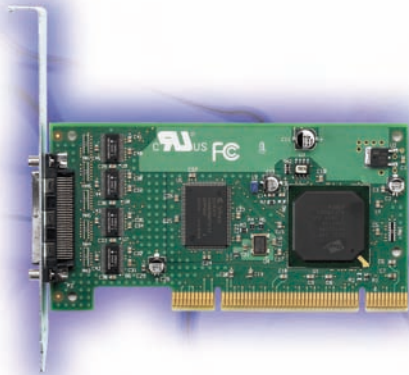
Expandable	AccelePort Xem Rack  <p>11.0" (27.94) 17.5" (44.45) 1.75" (4.45)</p>	AccelePort Xem (Low Profile)  <p>2.50" (6.35) 6.00" (15.24) 0.50" (1.27)</p>	Enhanced	AccelePort Xr 422 4/8-Port PCI  <p>4.20" (10.67) 6.87" (17.45) 0.50" (1.27)</p>	
	Digi Neo - 2-Port DB-9 (High Profile)  <p>3.38" (8.59) 4.72" (11.99) 0.72" (1.84)</p>	Digi Neo - 2-Port DB-9 (Low Profile)  <p>2.37" (6.02) 4.72" (11.99) 0.72" (1.84)</p>		Digi Neo - 2-Port RJ-45 (Low Profile)  <p>2.05" (5.21) 4.72" (11.99) 0.72" (1.84)</p>	
Enhanced	Digi Neo - 4-Port RJ-45  <p>4.00" (10.16) 4.72" (11.99) 0.72" (1.84)</p>	Standard	ClassicBoard - 4/8-Port PCI  <p>4.20" (10.67) 5.25" (13.34) 0.50" (1.27)</p>	Multi-Modem Communication Adapters	AccelePort RAS 4/8  <p>4.20" (10.67) 12.2" (30.99) 1.4" (3.56)</p>

Measurements: inch
 (cm)



AccelePort® Xp :: High-Performance Asynchronous Serial Cards

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Overview :: AccelePort Xp Universal PCI (3.3V & 5V) cards are powerful, highly integrated 80 MHz RISC processor-based products, delivering the highest performing design on the market today. They are available in two- to 16-port versions with a wide array of connector options, including onboard connectors, fan-out cables and external I/O boxes. AccelePort Xp is designed to enhance multiuser implementations such as retail/POS, industrial control processing, data collection and office automation.

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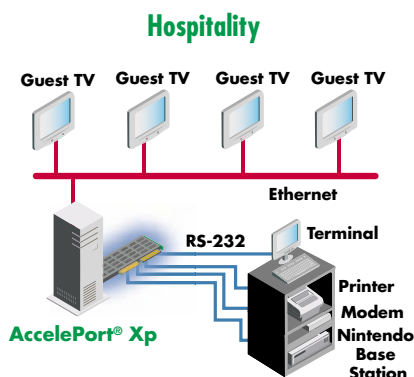
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+ Features ::

- 2 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
- 5-year warranty

+ Specifications ::

- 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

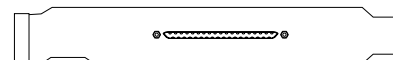


AccelePort Xp 2 DB-9



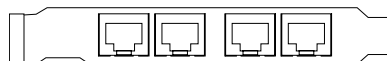
DB-9M
Serial

AccelePort Xp 4/8 HD-68



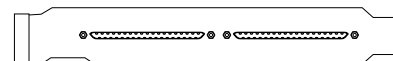
HD-68
Pins

AccelePort Xp 4 RJ-45



RJ-45
Serial

AccelePort Xp 16 HD-68



HD-68
Pins

The Makers of the Original
DigiBoard®

PCI
3.3V-5V
Universal
Card

Part Numbers ::

North America International

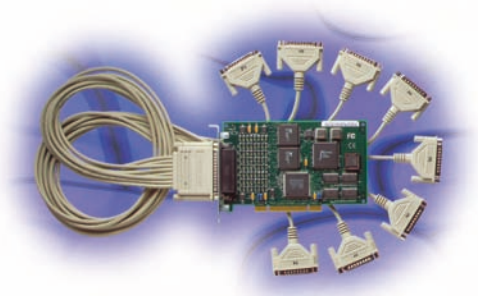
Model		
AccelePort Xp Universal PCI (3.3V & 5V) 2-Port RS-232 DB-9M On-Board	77000659	77000659
AccelePort Xp Universal PCI (3.3V & 5V) 4-Port RS-232	77000706	77000706
AccelePort Xp Universal PCI (3.3V & 5V) 4-Port RS-232 w/DB-25 Cable	70001549	70001549
AccelePort Xp Universal PCI (3.3V & 5V) 4-Port Low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

* This package contains a full-height PCI bracket that can be replaced using a small screwdriver.

All cables and accessories: pg. 158, 162.

AccelePort® Xr 920 :: High-Performance Asynchronous Serial Cards

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Overview :: The AccelePort Xr 920 family of high performance serial cards includes two-, four- and eight-port models, all with wide application flexibility and scalability. Available in PCI Universal Card (3.3V & 5V), RS-232 and RS-422 versions, they provide a variety of operating system support and accessories (fan-out cables and external I/O connector boxes), and an extra dose of multi-strike surge protection on every pin. AccelePort Xr 920 is ideal for multiuser and Remote Access Server (RAS) applications.

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+ Features ::

- Flexible port and serial interface options
- RISC-based processor enhances overall system throughput by 82 CPU communication bottlenecks
- PCI and PCI-X compatible for use in older and newer machines
- Universal PCI bus slot supports 3.3V and 5V
- Full modem control and hardware and software flow control
- Heavy-duty surge protection on all pins for superior reliability
- Ideal for retail/POS, industrial control processing, data collection and office automation
- 5-year warranty

+ Specifications ::

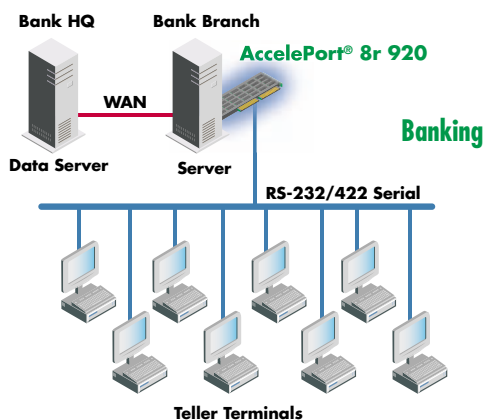
- 2, 4 or 8 RS-232 serial port models
- 4 or 8 RS-422 serial port models
- DB-9, DB-25 and RJ-45 connector options
- 20 kV surge protection on all pins
- PCI Universal Card (3.3V & 5V)
- 32- and 64-bit PCI slot
- PCI 2.3 compliant
- PCI-X compatible
- Slave design
- Hardware/software handshaking

AccelePort Xr 920 RS-232

- Up to 921.6 Kbps throughput
- 16C654 Quad UARTs
- Software configurable bus port
- Full modem control

AccelePort Xr RS-422

- Up to 230 Kbps throughput
- 16C554 Quad UARTS



The Makers of the Original
DigiBoard®

PCI
3.3V-5V
Universal
Card

AccelePort® Xr 920 :: High-Performance Asynchronous Serial Cards

Part Numbers ::

North America International

Model

AccelePort Xr 422

AccelePort Xr Universal PCI (3.3V & 5V) 4-Port RS-422 w/DB-25M Cable	70001193	70001193
AccelePort Xr Universal PCI (3.3V & 5V) 4-Port RS-422 w/DB-9F Cable	70001194	70001194
AccelePort Xr Universal PCI (3.3V & 5V) 8-Port RS-422 w/DB-25M Cable	70001199	70001199
AccelePort Xr Universal PCI (3.3V & 5V) 8-Port RS-422 w/DB-9F Cable	70001200	70001200
AccelePort Xr Universal PCI (3.3V & 5V) 4-Port RS-422 (see cable options below)	77000453	77000453
AccelePort Xr Universal PCI (3.3V & 5V) 8-Port RS-422 (see cable options below)	77000454	77000454

AccelePort Xr 920

AccelePort Xr 920 Universal PCI (3.3V & 5V) 2-Port RS-232 DB-9M On-Board	77000573	77000573
AccelePort Xr 920 Universal PCI (3.3V & 5V) 4-Port RS-232 w/DB-25M Cable	70001361	70001361
AccelePort Xr 920 Universal PCI (3.3V & 5V) 4-Port RS-232 (w/o cables)	77000560	77000560
AccelePort Xr 920 Universal PCI (3.3V & 5V) 8-Port RS-232 w/DB-25M Cable	70001362	70001362
AccelePort Xr 920 Universal PCI (3.3V & 5V) 8-Port RS-232 (w/o cables)	77000561	77000561

Accessories for AccelePort Xr

4-Port DB-9M Straight Fan-Out Cable	76000003	76000003
4-Port DB-25M Straight Fan-Out Cable	76000008	76000008
4-Port DB-25M Straight Connector Box	76000030	76000030
4-Port RJ-45 Connector Box	76000038	76000038
4-Port DB-25F Straight Fan-Out Cable	76000006	76000006
8-Port DB-9M Straight Fan-Out Cable	76002042	76002042
8-Port DB-25M Straight Fan-Out Cable	76000021	76000021
8-Port DB-25M Straight Connector Box	76000031	76000031
8-Port RJ-45 Connector Box	76000033	76000033
8-Port DB-25F Straight Fan-Out Cable	76000019	76000019

All cables and accessories: pg. 158, 163.

AccelePort® C/X :: Expandable Asynchronous Serial Cards

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Overview :: 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. It provides a sophisticated blend of technologies, including an intelligent host adapter plus a desktop or rack mounted AccelePort 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.

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+ Features ::

- 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)
- 5-year warranty

+ Specifications ::

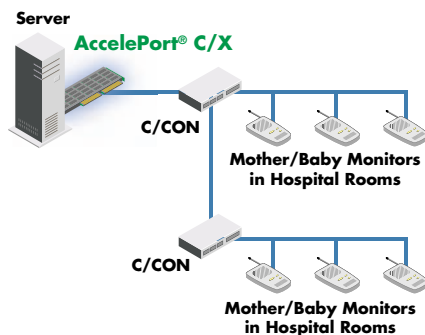
AccelePort C/X Host Adapters

- PCI Universal Card (3.3V/5V)
- 32- and 64-bit PCI slot
- PCI 2.3 compliant
- PCI-X compatible
- 85C30 serial communications controller, fully supported by DMA, driving two 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
- 1,000 feet over CAT5, 1.2 miles with fiber

AccelePort C/CON Concentrators

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

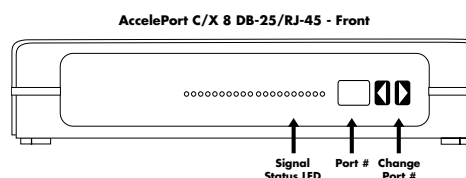
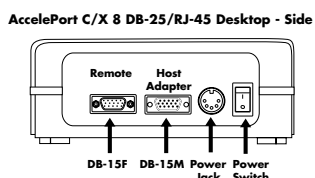
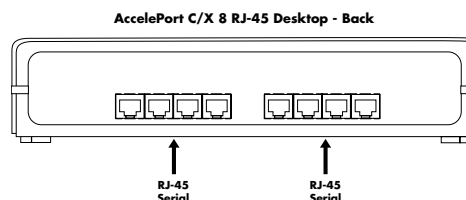
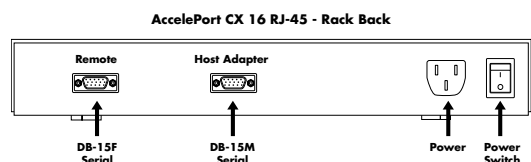
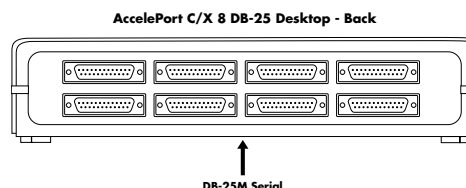
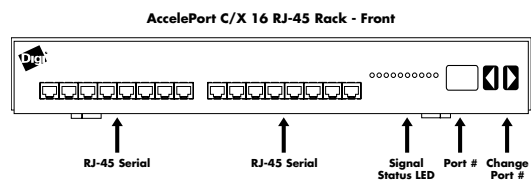
Nurses Station



The Makers of the Original
DigiBoard®

PCI
3.3V-5V
Universal
Card

AccelePort® C/X :: Expandable Asynchronous Serial Cards



Part Numbers ::

North America International

Model

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
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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

All cables and accessories: pg. 158, 162.

AccelePort® Xem :: Expandable Asynchronous Serial Cards

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Overview :: The AccelePort Xem asynchronous system is an expandable, modular and intelligent serial communication solution designed specifically for small to mid-size multiuser installations. It is especially well-suited for applications that are expected to start small and grow over time to as many as 64 ports.

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+ Features ::

- Expandable up to 64 ports from a single host slot
- 8- and 16-port concentrator boxes provide incremental expansion
- Universal PCI bus slot supports 3.3V & 5V
- Low profile PCI option
- Delivers data speeds up to 115.2 Kbps
- Ideal for connecting modems, terminals, printers, instruments and other serial devices
- 1U 19-inch rack mount 16-port option
- 5-year warranty

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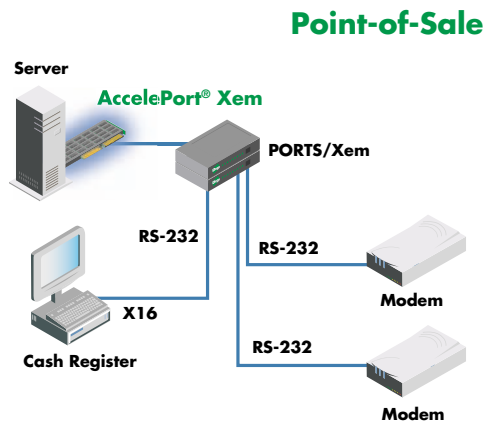
+ Specifications ::

AccelePort Xem Host Card

- PCI Universal Card (3.3V/5V)
- PCI 2.3/PCI-X compatible
- 32- and 64-bit PCI slot
- Low profile PCI option
- Up to 115.2 Kbps throughput per port
- 1 host card supports up to four Digi PORTS modules, up to 64 ports
- On-board IDT 3081 RISC processor with patented Front End Processor/Operating System (FEP/OS)
- Limit of 10 ft from server to the last PORTS module.

Digi PORTS Modules

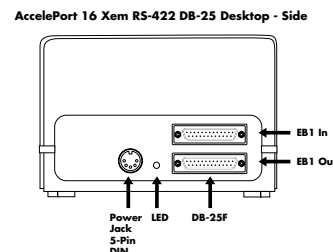
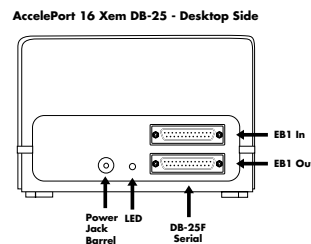
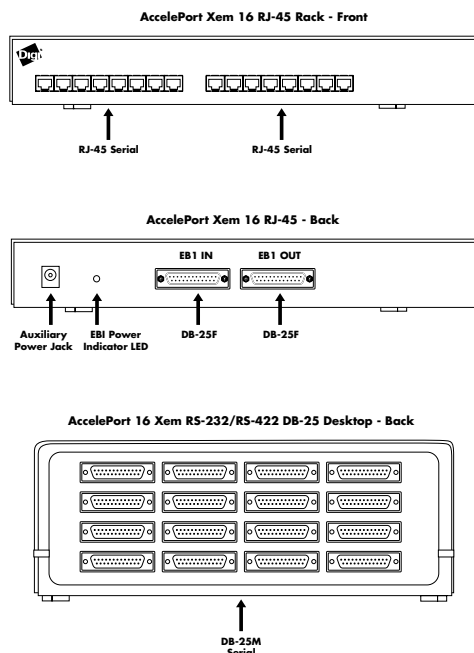
- Interchangeable between PCI platforms and PortServer® II
- 8 or 16 RS-232 serial ports (RJ-45 or DB-25)
- 1U 19-inch rack mount PORTS/16em for RS-232
- 16 RS-422 asynchronous serial ports (DB-25)
- Modules can connect to PortServer® II to expand port count up to 64 ports
- External Bus Interface (EBI) technology uses HD44 female connectors on PORTS modules to daisy-chain additional ports via 16-inch (40.6 cm) cable
- Surge protection on all signals
- Full modem control and hardware handshaking (CTS, RTS, DSR, DTR and DCD) on all channels
- Limit of 10 ft from server to the last PORTS module
- Auxiliary power supply package required on modules 3 and 4 when using more than 2 PORTS modules



The Makers of the Original
DigiBoard®

PCI
3.3V-5V
Universal
Card

AccelePort® Xem :: Expandable Asynchronous Serial Cards



Part Numbers ::

North America International

Model

AccelePort Xem Universal PCI Kits

AccelePort Xem Universal PCI (3.3V & 5V) 8-Port RS-232 DB-25 Concentrator	70001208	70001208
AccelePort Xem Universal PCI (3.3V & 5V) 8-Port RS-232 RJ-45 Concentrator	70001206	70001206
AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-232 DB-25 Concentrator	70001203	70001203
AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 Concentrator	70001201	70001201
AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-232 RJ-45 1U 19" Rack	70001757	70001757
AccelePort Xem Universal PCI (3.3V & 5V) 16-Port RS-422 DB-25 Concentrator	70001559	70001559

AccelePort Xem Low Profile Universal PCI Kits

AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 8-Port RS-232 w/DB-25 Concentrator	70002008	70002008
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 8-Port RS-232 w/RJ-45 Concentrator	70002009	70002009
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-232 w/DB-25 Concentrator	70002010	70002010
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-232 w/RJ-45 Concentrator	70002011	70002011
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-232 w/RJ-45 1U Rack	70002012	70002012
AccelePort Xem Universal PCI (3.3V & 5V) Low Profile 16-Port RS-422 w/DB-25 Concentrator	70002017	70002017

Additional PORTS Modules

Digi PORTS/Xem 8-Port RS-232 DB-25 Concentrator	76000120	76000120
Digi PORTS/Xem 8-Port RS-232 RJ-45 Concentrator	76000122	76000122
Digi PORTS/Xem 16-Port RS-232 DB-25 Concentrator	76000073	76000073
Digi PORTS/Xem 16-Port RS-232 RJ-45 Concentrator	76000074	76000074
Digi PORTS/Xem 16-Port RS-232 RJ-45 1U 19" Rack Concentrator	76000617	76000617
Digi PORTS/Xem 16-Port RS-422 DB-25 Concentrator	76000535	76000548

Host Adapters

AccelePort Xem Universal PCI (3.3V & 5V) Low Profile*	77000877	77000877
AccelePort Xem Universal PCI (3.3V & 5V) High Profile*	77000887	77000887

Accessories

AccelePort Xem Power Supply	76000109	76000321
19" Rack Chassis - 2U for AccelePort C/CON and Digi PORTS/Xem	76000611	76000611
16" Daisy Chain Cable	76000707	76000707
60" Daisy Chain Cable (host to PORTS module)	76000708	76000708
120" Daisy Chain Cable (host to PORTS module)	76000709	76000709

* This package contains a full-height PCI bracket that can be replaced using a small screwdriver.

All cables and accessories: pg. 158, 164.
See website for complete specifications.

Digi Neo® :: Enhanced Asynchronous Serial Cards

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Overview :: Digi Neo delivers reliable serial port expansion in standard and low profile Universal PCI boards, with throughput speeds exceeding 460.8 Kbps. Its low profile size makes it one of the smallest form factor serial card solutions on the market today – and the industry's first low profile eight-port solution on a single card. Extensive cabling and software driver options provide maximum flexibility in installations.

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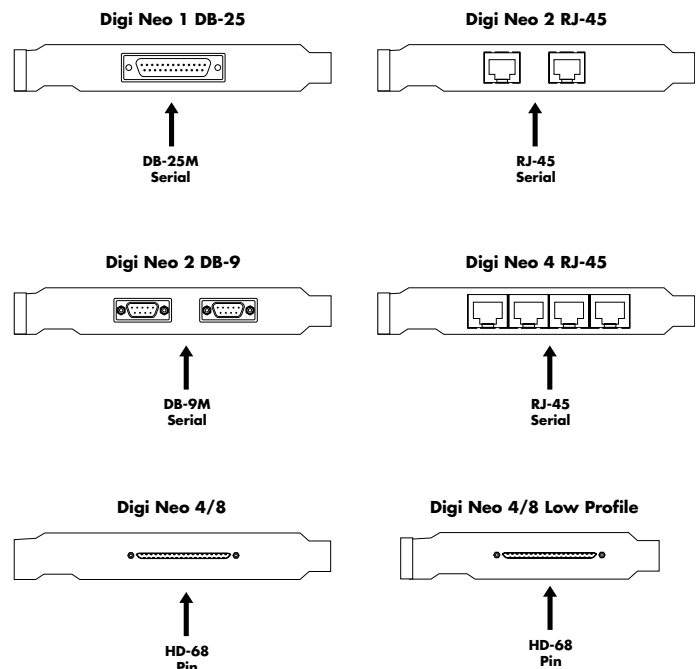
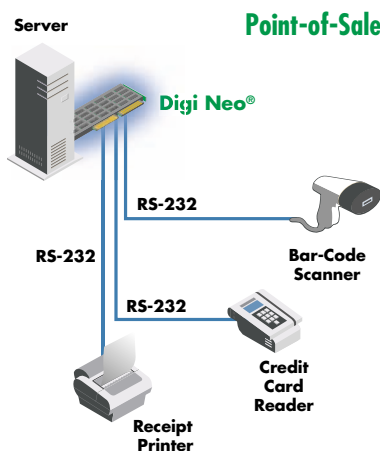
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+ Features ::

- Universal PCI (3.3V and 5.5V) bus slot support
- Enhanced monitoring and diagnostic tool for ease-of-use
- Flexible cabling/connector options
- Surge suppression on all signals ensures voltage fluctuations will not degrade data transmissions
- Low latency for reliable performance
- Powered serial port options
- Ideal for tight work spaces and specialized server/PC environments and applications such as retail/POS, industrial automation, factory control, kiosks and data collection
- Windows, UNIX and Linux driver support
- 5-year warranty

+ Specifications ::

- 1, 2, 4 or 8 RS-232 serial ports
- DB-9, DB-25 and RJ-45 connectors
- Universal PCI (3.3V and 5V) platform
- 32- and 64-bit PCI slot
- Low profile options
- PCI-X/PCI 2.3 compatible
- Surge suppression (15kV) on all signals
- Throughput exceeding 460.8 Kbps
- Powered (5V) serial port options using Ring Indicator signal at 600mA
- Full modem control
- Hardware or software flow control
- Low latency - same or better than standard COM port
- Custom baud rates
- 16C850 UART equivalent



The Makers of the Original
DigiBoard®

PCI
3.3V-5V
Universal Card

Part Numbers ::

North America International

Model

Universal PCI (3.3V & 5V) RS-232

Digi Neo Universal PCI (3.3V & 5V) 1-Port DB-25M	77000864	77000864
Digi Neo Universal PCI (3.3V & 5V) 2-Port DB-9M	77000847	77000847
Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45	77000848	77000848
Digi Neo Universal PCI (3.3V & 5V) 4-Port RJ-45	77000855	77000855
Digi Neo Universal PCI (3.3V & 5V) 4-Port w/o Cables	77000857	77000857
Digi Neo Universal PCI (3.3V & 5V) 8-Port w/o Cables	77000858	77000858
Digi Neo Universal PCI (3.3V & 5V) 4-Port w/DB-25M Fan-Out Cables	70001946	70001946
Digi Neo Universal PCI (3.3V & 5V) 8-Port w/DB-25M Fan-out Cables	70001947	70001947

Universal PCI (3.3V & 5V) Low Profile RS-232

Digi Neo Universal PCI (3.3V & 5V) Low Profile w/2-Port DB-9M Fan-Out Cable	70001965	70001965
Digi Neo Universal PCI (3.3V & 5V) 1-Port DB-25M Low Profile	77000865	77000865
Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45 Low Profile	77000849	77000849
Digi Neo Universal PCI (3.3V & 5V) 4-Port Low Profile (board only)*	77000835	77000835
Digi Neo Universal PCI (3.3V & 5V) 8-Port Low Profile (board only)*	77000836	77000836

Powered (5V) Serial Ports RS-232

Digi Neo Universal PCI (3.3V & 5V) 2-Port DB-9M	77000851	77000851
Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45	77000852	77000852
Digi Neo Universal PCI (3.3V & 5V) 2-Port RJ-45 Low Profile	77000853	77000853
Digi Neo Universal PCI (3.3V & 5V) 4-Port RJ-45	77000856	77000856

Digi Neo Cable Upgrade Kit

Digi Neo 2-Port DB-9M Fan-Out Cable	76000713	76000713
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Digi Neo HD-68 Cabling Accessories

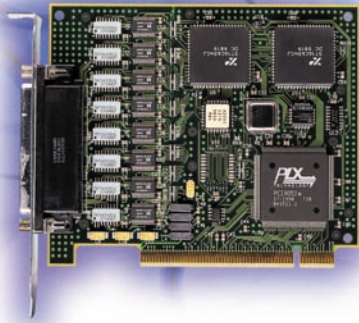
4-Port DB-25M Straight Fan-Out Cable	76000522	76000522
4-Port DB-9M Straight Fan-Out Cable	76000528	76000528
4-Port DB-25F Straight Fan-Out Cable	76000532	76000532
4-Port DB-9F Straight Fan-Out Cable	76000530	76000530
4-Port DB-25M Straight Connector Box w/Cable	76000524	76000524
4-Port DB-9M Straight Connector Box w/Cable	76000560	76000560
4-Port RJ-45 Straight Connector Box w/Cable	76000526	76000526
8-Port DB-25M Straight Fan-Out Cable	76000523	76000523
8-Port DB-9M Straight Fan-Out Cable	76000529	76000529
8-Port DB-25F Straight Fan-Out Cable	76000533	76000533
8-Port DB-9F Straight Fan-Out Cable	76000531	76000531
8-Port DB-25M Straight Connector Box w/Cable	76000525	76000525
8-Port DB-9M Straight Connector Box w/Cable	76000561	76000561
8-Port RJ-45 Straight Connector Box w/Cable	76000527	76000527
16-Port 2U 19" Rack w/DB-25M Connectors (use w/two 8-port Digi Neo cards)	76000587	76000587
16-Port 1U 19" Rack w/RJ-45 Connectors (use w/two 8-port Digi Neo cards)	76000588	76000588
HD-68M to DB-78F Converter (use with legacy accessories)	76000534	76000534

* This package contains a full-height PCI bracket that can be replaced using a small screwdriver.

All cables and accessories: pg. 158, 162.

ClassicBoard™ :: Enhanced Asynchronous Serial Cards

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Overview :: The ClassicBoard family of PCI and ISA serial cards is best suited for applications where the CPU is able to devote some of its resources to handling computations or for real-time applications that require short latency intervals. It is ideal for connecting cash registers, print receipt devices, scanners and other peripheral devices in retail POS systems as well in applications using peripherals such as sensors, switches, measurement devices and more.

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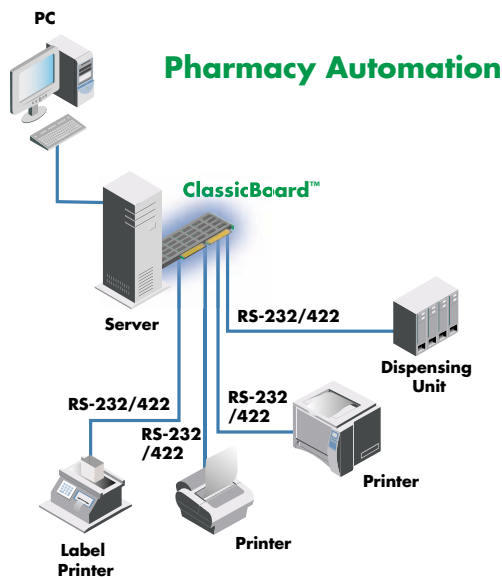
+ Features ::

- Cost-effective solution for retail/POS systems, Electronic Data Interchange (EDI), industrial automation and other applications where low latency is required
- ISA and PCI bus support
- RS-232 and RS-422 models for cabling flexibility
- Easy to install – no DIP switches or jumpers to set
- Every signal safeguarded by built-in surge protection
- 5-year warranty

+ Specifications ::

- 4 or 8 RS-232 or RS-422 serial ports
- DB-9, DB-25 and RJ-45 connectors
- Supports speeds up to 460.8 Kbps
- 32-bit PCI slot
- Full-duplex operation
- Multi-strike surge suppression on every signal
- 16C654 UARTs providing automatic flow control and 64-byte FIFO
- Supports auto configuration of all PCI interrupts
- Powered (5V) serial port options using Ring Indicator signal @ 600 mA

See website for complete specifications, including ISA models.



The Makers of the Original
DigiBoard®

Part Numbers ::

North America International

Model		
ClassicBoard RS-232 PCI (PCI 5V)		
ClassicBoard PCI (5V) 4-Port RS-232 w/o Cables	77000576	77000576
ClassicBoard PCI (5V) 8-Port RS-232 w/o Cables	77000578	77000578
ClassicBoard PCI (5V) 4-Port w/Powered 5V Serial Ports RS-232 w/o Cables	77000771	77000771
ClassicBoard PCI (5V) 8-Port w/Powered 5V Serial Ports RS-232 w/o Cables	77000770	77000770
ClassicBoard RS-422 PCI (PCI 5V)		
ClassicBoard PCI (5V) 4-Port RS-422	77000862	77000862
ClassicBoard PCI (5V) 8-Port RS-422	77000863	77000863
Accessories for RS-232		
4-Port Straight DB-9M Fan-Out Cable	76000003	76000003
8-Port Straight DB-9M Fan-Out Cable	76002042	76002042
4-Port Straight DB-25M Fan-Out Cable	76000008	76000008
8-Port Straight DB-25M Fan-Out Cable	76000021	76000021
4-Port Straight DB-25M Connector Box	76000030	76000030
8-Port Straight DB-25M Connector Box	76000031	76000031
4-Port RJ-45 Connector Box	76000038	76000038
8-Port RJ-45 Connector Box	76000033	76000033
4-Port Straight DB-25F Fan-Out Cable	76000006	76000006
8-Port Straight DB-25F Fan-Out Cable	76000019	76000019
Accessories for RS-422		
4-Port DB-9F RS-422 Fan-Out Cable	76000002	76000002
8-Port DB-9F RS-422 Fan-Out Cable	76000014	76000014
4-Port DB-9M RS-422 Fan-Out Cable	76000004	76000004
8-Port DB-9M RS-422 Fan-Out Cable	76000017	76000017
4-Port DB-25M RS-422 Fan-Out Cable	76000178	76000178
8-Port DB-25M RS-422 Fan-Out Cable	76000179	76000179

All cables and accessories: pg. 158, 163.

ISA solutions also available. See our website for details.

AccelePort RAS® :: Multi-Modem Communication Adapters

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Overview :: AccelePort RAS multi-modem analog adapters provide high-performance and cost-effective communication abilities. They are the ideal choice for a wide variety of applications including data acquisition, fax connectivity, Remote Access Services (RAS), modem pooling and branch office gateways.

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+ Features ::

- Up to 8 ports with full V.90 modem and fax support
- Highly flexible design based on Digital Signal Processors (DSPs)
- Universal PCI adapter supporting 3.3V and 5V PCI systems
- Scalable system architecture allows additional boards to be added to the system
- Wide operating system and third-party application support
- PortAssist® Manager software included for web-based monitoring and control
- Software and hardware modem reset of individual modems
- Ideal for data acquisition, RAS, modem pooling, branch office gateways and fax connectivity
- 5-year warranty

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+ Specifications ::

- 4 or 8 analog modems per slot
- RJ-11 modular connectors

Modem Type

- DSP
- Software upgradeable

Bus Type

- 32-bit PCI
- Bus Master Design
- Universal 3.3V and 5V PCI support
- PCI/PCI-X compatible

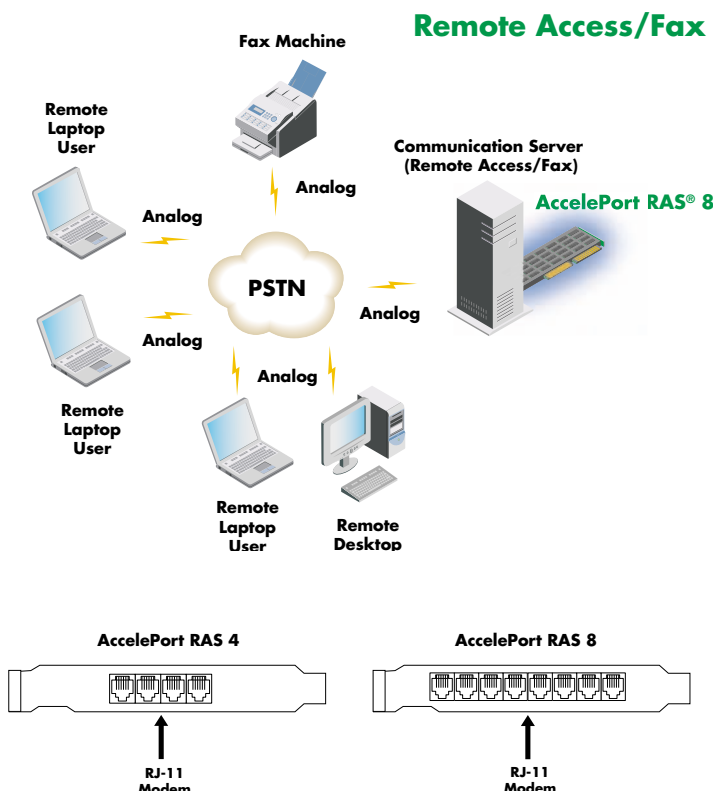
Fax Feature Set

- Fax class 2/2.0
- Class 2.0 Error Correction Mode
- Supports all optional class 2.0 data format conversions including:
 - Normal Image
 - Fine Image
 - MH (1D) Image Conversion
 - MR (2D) Image Conversion
 - MMR Image Conversion
- Copy Quality Checking and Receive Quality Thresholds
- Adaptive Answering
- Automatic Page Header Generation (TSI Banner)
- Distinctive Ring

Modem Standards Compatibility

- Data Modes
 - V.90
 - K56flex
 - V.34, V.32 bis, V.32, V.24 bis, V.23, V.22bis, V.22, V.21
 - Bell 212a, Bell 103,
- Compression
 - V.42 bis
 - MNP Class 2, 4, and 5
- Error Correction
 - V.42
- Fax Modes
 - Group 3
 - V.17, V.29, V.27 ter, V.21 channel 2

See website for complete specifications.
USB RAS solutions also available (pg. 112).



The AccelePort RAS family of multi-modem communication adapters provides the widest compatibility and most powerful performance available for demanding applications such as fax servers, remote access, data acquisition and modem pooling and modem data pooling. AccelePort RAS can be used to manage multiple fax machines in a small business to a single server; to perform data collection/acquisition via multiple analog lines; or for back room remote access to various company branches.

High-Speed Multi-Modem Adapters Support Four or Eight Channels

AccelePort RAS multi-modem adapters integrate high density analog modems supporting four or eight channels in a single PCI slot. Multiple AccelePort RAS cards can be installed in a single server so capability can be added as system needs grow.

Advanced DSPs Support V.90 Modem and Advanced Fax Communications

The dense modem technology built into the AccelePort RAS hardware is based on industry-standard Digital Signal Processors (DSPs). On-board DSPs provide advanced modem and fax support and maximize the efficiency of each communications channel. Each AccelePort RAS channel operates independently and supports the widest range of analog clients for complete and accurate call completion at the highest data rate possible.

OS Integration and Use of Standard APIs

AccelePort RAS integrates with and takes advantage of the inherent communication capabilities already built into your OS environment. Use of standard APIs means installation and management of your ports is completely familiar and intuitive to network administrators. In addition, AccelePort RAS facilitates simple deployment of software application solutions based on existing interfaces provided in the OS.

Part Numbers ::

Model	
AccelePort RAS 4 North America	77000616
AccelePort RAS 4 Europe (Austria, Belgium, Denmark, Finland, Greece, Iceland, Italy, Ireland, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, UK)	77000617
AccelePort RAS 4 Germany, South Africa	77000618
AccelePort RAS 4 Australia, New Zealand, Switzerland	77000619
AccelePort RAS 4 Latin America (Mexico, Argentina, Chile)	77000775
AccelePort RAS 4 Asia (Japan, Singapore, Hong Kong, Korea, Taiwan)	77000776
AccelePort RAS 4 Israel, Hungary	77000777
AccelePort RAS 8 North America	77000583
AccelePort RAS 8 Europe (Austria, Belgium, Denmark, Finland, Greece, Iceland, Italy, Ireland, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, UK)	77000584
AccelePort RAS 8 Germany, South Africa	77000585
AccelePort RAS 8 Australia, New Zealand, Switzerland	77000586
AccelePort RAS 8 Latin America (Mexico, Argentina, Chile)	77000772
AccelePort RAS 8 Asia (Japan, Singapore, Hong Kong, Korea, Taiwan)	77000773
AccelePort RAS 8 Israel, Hungary	77000774

