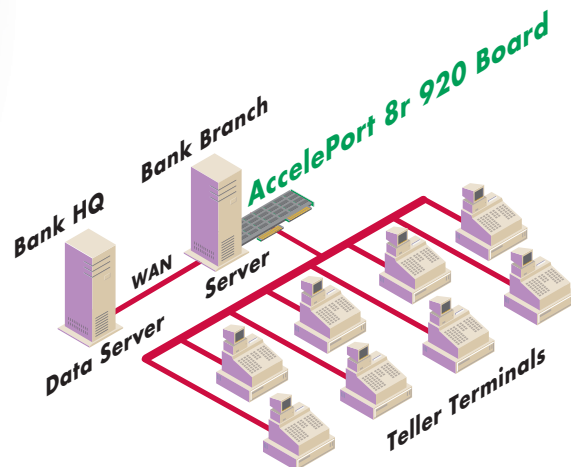# AccelePort® Xr 920

Multiport Serial Card

The Digi AccelePort Xr 920 is designed to work with a wide range of applications by allowing a variety of parameter settings. The extra surge protection on every pin protects the board and your devices.

Features/Benefits

> **Two, four or eight serial ports, supporting data speeds up to 921.6 Kbps**

> **EIA-232 or EIA-422 connections**

> **RISC-based processor enhances overall system throughput by offloading CPU of communication bottlenecks**

> **PCI 2.2 and 2.3 compatible**

> **Full modem control and hardware and software flow control**

> **Heavy-duty surge protection on all pins for superior reliability**

> **Universal PCI bus slot supports 3.3V and 5V**

Overview

The Digi AccelePort Xr 920, one of the industry's best known multiport serial I/O cards, was designed for use in multi-user (retail point-of-sale, industrial control processing, data collection and office automation) and Remote Access Service (RAS) applications.

The AccelePort Xr 920 Family includes two-, four- and eight-port models, all with wide application flexibility and scalability. Available in PCI Universal Card (3.3V/5V), EIA-232 and EIA-422 versions, these serial cards provide an extremely wide 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 each and every pin. All these elements contribute to the reasons why leading resellers and systems integrators have specified the Digi AccelePort Xr 920 Family in their designs.

An on-board 32-bit IDT RISC processor delivers high performance with speeds up to 921.6 Kbps. CPU utilization is optimized by efficiently handling serial I/O communication interrupts, character processing and data transfers. Hardware/software flow control ensures the absolute data integrity required for your most active remote access applications and "mission-critical" multi-user environments.

Digi International, the leader in Connectware, makes device networking easy by manufacturing products and technologies that are cost-effective and easy to use. With over 20 million ports shipped worldwide, Digi has been offering the highest levels of performance, flexibility, and quality since 1985.

Digi®

Connectware™

Making
DEVICE NETWORKING
easy

Features/Specifications

FEATURES

- Two-, four-, and eight-port EIA-232 models
- Four and eight-port EIA-422

All Models
- Heavy-duty surge protection on all pins
- Universal bus slot support (PCI 3.3V and 5V)
- PCI 2.2 and 2.3 compatible
- Slave design
- Hardware/software handshaking support
- 32-bit IDT RISC processor on board

AccelePort Xr 920 Models Only
- Throughput performance up to 921.6 Kbps
- 16C654 Quad UARTs
- Software configurable bus support
- Full modem control

AccelePort Xr EIA-422 Models Only
- Throughput performance up to 230 Kbps
- 16C554 Quad UARTs

POWER REQUIREMENTS

AccelePort 2r 920 - PCI
- +5 V +/-5% 350 mA typical
- +12 V +/-5% 30 mA typical
- -12 V +/-5% 50 mA typical

AccelePort 4r 920 - PCI
- +5 V +/-5% 955 mA typical
- +12 V +/-5% 40 mA typical
- -12 V +/-5% 40 mA typical

AccelePort 8r 920 - PCI
- +5 V +/-5% 960 mA typical
- +12 V +/-5% 80 mA typical
- -12 V +/-5% 80 mA typical

AccelePort 4r and 8r 422 - PCI
- +5 V +/-5% 1.0 A typical
- +12 V +/-5% 10 mA typical
- -12 V +/-5% 10 mA typical

REGULATORY APPROVALS

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

OPERATING SYSTEMS

- Microsoft Windows .NET Server 2003
- Microsoft Windows XP, 2000, NT
- Microsoft Windows 95/98/Me
- Solaris SPARC and Intel
- Novell NetWare
- HP-UX
- Linux
- OpenVMS
- OS/2
- QNX
- SCO OpenServer
- SCO UnixWare
- Tru64

Most drivers ship with product on CD-ROM. Drivers and driver updates also available on our Web-site at www.digi.com/drivers.

CONNECTORS

AccelePort Xr 920 2-port
- Two DB-9 male connectors on board

AccelePort Xr 920 (EIA-232) 4- and 8-port
- Single DB-78F connector on board
- Connector Options:
  - DB-25 fan-out cables (DTE or DCE; male or female)
  - DB-9 fan-out cables (DTE; male or female)
  - DB-25 connector box with four-foot connector cable (DTE or DCE)
  - RJ-45 connector attachment

AccelePort Xr (EIA-422) 4- and 8-port
- Single DB-78F connector on board
- Connector Options:
  - DB-25 fan-out cable (male)
  - DB-9 fan-out cable (female or male)

ENVIRONMENTAL

- Ambient Temperature: 10ºC to 55ºC (50ºF to 131ºF)
- Storage Temperature: -25ºC to 85ºC (-13ºF to 185ºF)
- Relative Humidity: 5% to 90% (non-condensing)
- Altitude: 0 to 12,000 feet (0 to 3,660 meters)
- Air Movement: 30 CFM forced

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

Model		Worldwide Part Number
PCI EIA-232		
AccelePort 2r 920 2-port	DB-9M connectors on board	77000573
AccelePort 4r 920 4-port	cables not included, see below	77000560
AccelePort 4r 920 4-port	includes DB-25M fan-out cable	70001361
AccelePort 8r 920 8-port	cables not included, see below	77000561
AccelePort 8r 920 8-port	includes DB-25M fan-out cable	70001362
PCI EIA-422		
AccelePort 4r 4-port	includes DB-25M fan-out cable	70001193
AccelePort 4r 4-port	includes DB-9F fan-out cable	70001194
AccelePort 8r 8-port	includes DB-25M fan-out cable	70001199
AccelePort 8r 8-port	includes DB-9F fan-out cable	70001200
Accessories for EIA-232		
4-port DB-25M straight thru fan-out cable		76000008
4-port DB-9M straight thru fan-out cable		76000003
4-port DB-25M straight thru connector box with cable		76000030
4-port RJ-45 straight thru connector attachment		76000038
8-port DB-25M straight thru fan-out cable		76000021
8-port DB-9M straight thru fan-out cable		76002042
8-port DB-25M straight thru connector box with cable		76000031
8-port RJ-45 straight thru connector attachment		76000033

Other accessories are available for DCE (crossover) and female/male gender requirements. Call for information.

DIMENSIONS

Form Factor	Length	Width	Height
Two-port PCI	9.0 in	0.5 in	4.2 in
Four- and Eight-port PCI	6.875 in	0.5 in	4.2 in

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.   http://support.digi.com

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