PCI334A PRODUCT SHEET

Four-Port WAN Communications Adapter

FEATURES

Multi-Purpose Intelligent WAN Communications Adapter

Four High-Speed Channels Capable of Sustaining 2 Mbps per Port

4 MB of Shared SRAM Memory

Universal I/O Supporting 3.3 V and 5 V

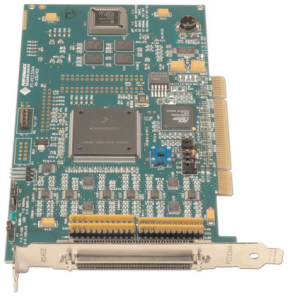
Support for 33 MHz and 66 MHz PCI Bus

Increased RS-232 Support Allows Data Transmission Range of up to 100 Kbps

Existing PCI334 Software Compatible with PCI334A

NexusWare® WAN Protocol Software:
- Radar Receiver
- TADIL-B
- HDLC
- X.25
- Frame Relay

Broad Operating System Support Includes Solaris™, Windows®, and Linux®



PT's PCI334A Intelligent Synchronous WAN Communications Adapter provides four high-performance synchronous/serial channels for WAN connectivity. The adapter is ideally suited for use within radar networks, frame relay access devices, high-speed modems, or other high-speed communication devices.

Hardware Features

The PCI334A is designed as a fully programmable communications subsystem capable of sustaining high data rates for the variety of protocols that are used in synchronous data communications.

The architecture of the PCI334A capitalizes on the intelligence of Motorola's MC68360 QUICC® datacomm processor and enables it as a specialized communications controller.

The PCI334A adapter enhances overall system performance by using its onboard intelligence and large SRAM array to handle much of the low-level communications that typically burden the host system. The DSAM also eases the downloading of protocols for stand-alone code execution by relegating most of the serial I/O communication-related processing to the PCI334A.

NexusWare® Software Support

With a well-defined application programming interface (API), PT's integrated protocol suite reduces time-to-market by eliminating unnecessary development time at the hardware/protocol level. The protocols for the standard WAN hardware products enable development engineers to proceed directly to integration and application development efforts.

A comprehensive suite of NexusWare WAN communications protocols provides complete WAN connectivity solutions for Radar Receiver/SBSI, Frame Relay, HDLC, LAPD, and X.25 protocols. Operating system support includes Solaris™, Windows®, and Linux®.

PCI334A PRODUCT SHEET

Technical Specifications

ORDERING INFORMATION

PT-PCI334A-11890
Four-port RS-232C

PT-PCI334A-11891
Four-port RS-449/530

PT-PCI334A-11892
Four-port V.35

Cable Options

PT-ACC334-11918
4 x V.35 Hydra Cable, DTE with Thumbscrews

PT-ACC334-11919
4 x RS232 Hydra Cable, DTE with Jackscrews

PT-ACC334-11920
4 x RS449 Hydra Cable (Socket) Sun Substitute, DTE with Jackscrews

PT-ACC334-11921
4 x RS449 Hydra Cable (Pin), DTE with Jackscrews

PT-ACC334-11969
4 x EIA530 Hydra Cable, DTE with Jackscrews

PT-ACC334-12273
4 x EIA530 Hydra Cable, DTE with Thumbscrews

PT-ACC334-12274
4 x RS232 Hydra Cable, DTE with Thumbscrews

continued below

Performance

- Four ports at 2 Mbps bi-directional, simultaneously, sustained 8 Mbps maximum line speed

Processor

- 25 MHz Motorola MC68360 QUICC

Memory

- 4 MB shared SRAM

Bus Structure

- PCI Revision 2.2-compliant, including all PCI required configuration registers and protocols

Physical Interface

- RS-232C/DB25, RS-449/DB37, and V.35/M34

Modem Control

- CTS, DSR, DTR, DCD, RTS, (also RI and LT for V.35)

Protocol Support

- Radar Receiver/SBSI, HDLC, Frame Relay, LAPD, X.25, TADIL-B, and ASYNC

Agency Certification

- FCC Class A
- CE
- EN60950-1

Compliance

- All currently applicable ANSI/ISO standards
- RoHS

Power

- RS-232: Typical 3.4 W, maximum 4.5 W
- RS-449: Typical 3.3 W, maximum 4.3 W
- V.35: Typical 5.3 W, maximum 6.9 W

Dimensions

- 10.5 cm x 15.5 cm (4.13 in. x 6.10 in.) (short slot-compliant)

Temperature

- Operating: 0° to 50°C (32° to 122°F)
- Non-operating: -20° to 80°C (-4° to 176°F)

MTBF

- PT-PCI334A-11890
  487,620 hours per Bellcore Standard SR-332 Issue 1
- PT-PCI334A-11891
  341,252 hours per Bellcore Standard SR-332 Issue 1
- PT-PCI334A-11892
  484,833 hours per Bellcore Standard SR-332 Issue 1

ORDERING INFORMATION *(continued)*

Software Options

PT-COMLINK-11011
ComLink™ Software

PT-HDLCKIT-10878
HDLC and LAPD WAN Connectivity Kit

PT-FRAMEKIT-10867
Frame Relay WAN Connectivity Kit

PT-X25KIT-10966
X.25 WAN Connectivity Kit

PT-RADKIT-10900
Radar Kit

For more information visit www.pt.com or call your local representative.

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