PERFORMANCE TECHNOLOGIES

PCI334A
Four-Port WAN Communications Adapter

Highlights

>> Multipurpose 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®

Performance Technologies' 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), Performance Technologies' 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®.

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

Software Options

>> **PT-COMLINK-11011**
ComLink™ Software

>> **PT-HDLCKIT-10878**
HDLC & 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

RoHS • WEEE COMPLIANT

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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, and X.25, TADIL-B, 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