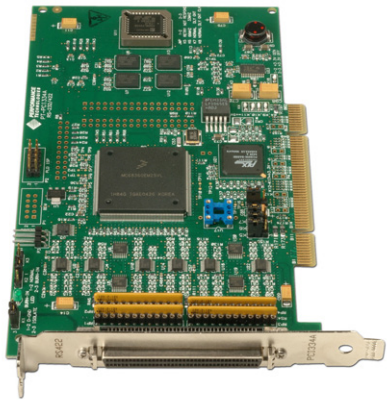
PCI334A Product Sheet

Four Port Synchronous Serial Communications Adapter



FEATURES

- **Multi-Purpose Intelligent PCI Synchronous Serial Communications Adapter**
- **Four High-Speed Ports Capable of Sustaining 2 Mbps per Port**
- **4 MB of Shared SRAM Memory**
- **Universal I/O Supporting 3.3V and 5V**
- **Support for 33 MHz and 66 MHz PCI Bus**

Sunhillo'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, 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.

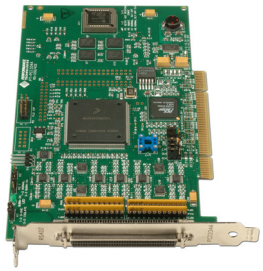
The PCI334A adapter enhances overall system performance by using its on-board intelligence and large SRAM array to handle much of the low-level communications that typically burden the host system. The DSAM also eases the downloading of protocols for stand-alone code execution by relegating most of the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

WAN Software Support

With a well-defined application programming interface (API), Sunhillo'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 WAN communications protocols provides complete WAN connectivity solutions for Radar, TADIL-B, HDLC, and X.25 protocols. Operating system support includes Linux®, Windows®, and Solaris™.

PCI334A: 4 Port Synchronous Serial Communications Adapter



Technical Specifications

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 and RS-449/DB37

Modem Control
• CTS, DSR, DTR, DCD, RTS,

Protocol Support
• Radar, TADIL-B, HDLC, X.25, ASYNC, and SBSI

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

SUNHILLO

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