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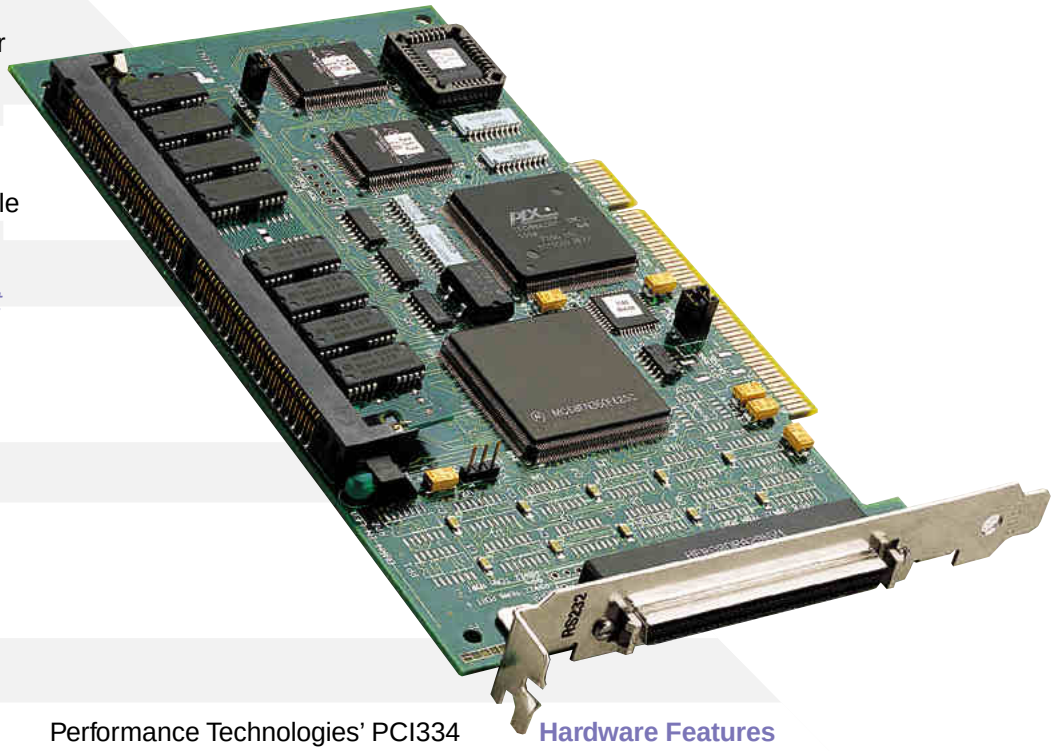
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PT-PCI334 4 Port High Performance PCI Communications Adapter

Features
-Benefits

- Four channel high speed intelligent synchronous communication adapter
  Provides high speed interface to T-1 routers, frame relay access devices, high speed modems, etc.
- Shared DRAM memory is expandable to 32 MB
  Large memory buffer ensures the ability to handle heavy traffic without degridation to the CPU
- Based on Motorola's MC68360 QUICC chip
  4.5 MIPs of processing power provides high speed performance with minimal system utilization
- 128 KB flash PROM
  Provides flexiblity for board customization and specific development
- Dual, independent, bi-directional DMA's for high throughput
  Offloading host CPU workload
- PTI's ComLink software supports Solaris 2.x and X.86 platforms
  For plug-and-play installations
- ComLink software emulates Sun's 'zsh' interface
  Provides direct use of Sun's configuration software and utilities



Performance Technologies' PCI334 intelligent synchronous communication adapter provides 4 high performance channels capable of interfacing to T-1 routers, DSU/CSU, frame relay access devices, high speed modems, or other high speed communication devices.

The PCI334 plays a significant role in making Performance Technologies a full-line supplier of quality, high performance data communications and connectivity solutions for the workstation, server, and embedded markets.

Software Support

PTI's ComLink communications software is architected to provide a transparent link between Sun's suite of communication protocols, such as x.25, PPP, SLIP, IP, Frame Relay and SNA 3270, and the PCI334 adapter. The ComLink software supports data link provider interface (DLPI) providing the capability to run Sun's protocols onboard and preventing any degridation on the host CPU.

A developer's kit provides users the direct support of Sun's 'zsh' interface. This kit provides customers the ability to write their own communications protocols and integrate their applications easily to the PCI334.

Hardware Features

The PCI334 is designed as a fully programmable communications subsystem capable of sustaining high data rates for a variety of protocols used in synchronous data communications.

The architecture of the PCI334 capitalizes on the intelligence of the Motorola 68360, which is based on a Motorola CPU32+ (68020 core). Designed from the outset as a specialized communications controller, the 68360 has found rapid acceptance in the technological community due to its cost-effective, high performance design.

The PCI334 adapter enhances overall system performance by utilizing the onboard intelligence and large DRAM array which handles much of the low level communications activities that typically burdens the host workstation or server. The DRAM also eases the downloading of protocols for standalone code execution directly on the PCI334 by regulating most of the serial I/O communication related processing to the PCI334. The overall system can operate much more efficiently and becomes available to process other concurrent tasks.

PERFORMANCE TECHNOLOGIES, INC

PT-PCI334 Communications Adapter

Specifications

Performance	*4 Ports @ 2 Mbps bi-directional, simultaneously, sustained 8 Mbps max line speed*
Processor	*25 MHz Motorola 68360*
DRAM Memory	*4 MB*
Expandable Memory	*Expandable to 32 MB*
Bus Structure	*PCI Revision 2.1 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, DLD, RTS (also RI, LT for V.35)*
Compliance	*All currently applicable ANSI/ISO standards*
MTBF	*> 400,000 power-on hours (POH)*
Communications Protocol Supported	ComLink supports x.25, PPP, SLIP, IP Frame Relay, SNA 3270
Power	*9 watts maximum (1.75 A @ +5 V)*
Dimensions	*10.5 cm x 15.5 cm (short slot compatible)*
Temperature	*Operating: 0° to 50° C (32° to 122° F)* *Non-operating: –40° to 80° C (–40° to 176° F)*

Ordering Information

PCI334 Adapter

PT-PCI334-10591	**Four Port RS-232C**
PT-PCI334-10592	**Four Port RS-449/422**
PT-PCI334-10593	**Four Port V.35**

Cables and Memory

PT-ACC334-10621	**4 MB DRAM, 72 pin SIMM, 60nSec**
PT-ACC334-10622	**4 position, 6 ft. 'hydra' cable, V.35**
PT-ACC334-10623	**4 position, 6 ft. 'hydra' cable, RS-232C**
PT-ACC334-10722	**4 position, 6 ft. 'hydra' cable, RS-449 (Pin)**
PT-ACC334-10741	**4 position, 6 ft. 'hydra' cable, RS-449 (Socket)**

Communications Software

PT-ACC334-10709	**Comlink Software**
PT-ACC334-10570	**Comlink Developer's Kit**

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