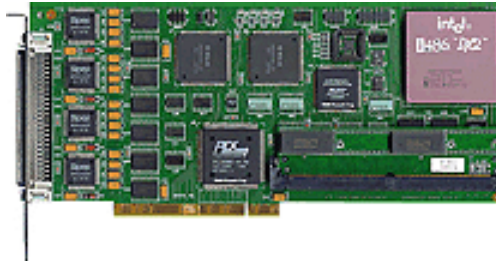


# PCI 486DX2 based 4 Port Sync/Async Adapter

GMM Sync4hs/CCP/PCI/MP™



## Features

- ✓ High Performance 486DX2 processor, 66Mhz.
- ✓ Dual Ported EDO DRAM using 4, 8, 16 or 32 Mbyte standard SIMM.
- ✓ Aggregate serial data rate > 40Mbps / 10 Mbps full duplex on 4 ports.
- ✓ Uses the H64572 SCA II for supporting HDLC, SDLC, BiSync, Async & more.
- ✓ Host bus transfer rate of 132 Mbytes using Bus Master mode.
- ✓ Bootable from Flash or DRAM via jumper.
- ✓ Install up to 16 cards per system.
- ✓ Eight (8) software programmable electrical interfaces per port.
- ✓ On board Flash for boot code, debug monitor, or application code.
- ✓ Incorporates PLX9080 PCI bus Interface Chip, a proven technology.
- ✓ Ideal solution for Windows NT workstations and servers.

Try GMM's "Jump Start Me" approach with the

**GMM Developers ToolKit™**

Includes GMM ported version of Phar Lap's TNT Embedded ToolSuite® Standard Edition ETS Kernel and Monitor.  
Phar Lap TNT Embedded ToolSuite® RealTime Edition also available.

## Applications

The GMM Sync4hs/CCP/PCI/MP™ card is the PCI version of our popular 4hs ISA card. It is used in a wide range of high speed multi-protocol serial communication applications such as Frame Relay, X.25, WAN, Internet Access, Bridge/Routers, Performance monitoring, and Statistical Analysis. This card was designed to off-load from the host the burdensome task of controlling multiple high-speed communication lines.

The GMM Sync4hs/CCP//PCI/MP™ is the perfect choice for developing SDLC, HDLC, and BiSync based packet protocols. Ideal for OEM, VAR, and Custom applications.



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## PC Bus Interface

**Bus Interface Type:** PCI version 2.1 compliant

**Card Size:** Standard XT,  $\frac{3}{4}$  length card

## Serial Interface

**Serial Ports:** Four async/sync ports, Full duplex DMA , DTE interface.

**Com. Controller:** Two High performance Hitachi 64572 33Mhz SCA II chips. SCA chip supports: DDCMP, bisync, X.21, HDLC, SDLC, X.25 (LAPB,PAPD) and Async. Also has 64 byte Fifo per X/R channel, DPLL, chain block transfer capability and timers.

**Data Rate:** Aggregate data rate >40 Mbits/s, full duplex E1 rate on all 4 ports

**Transmit Clock Modes:** SCT (Internal) or SCTE (External). Frequency derived from 14.7456 Mhz OSC to generate data rates.

**I/O Signals Supported:** TxD, TxC, SCTE, RxD, RxC, DCD, RTS, CTS, DSR, DTR, RI.

**Interfaces Supported:** Multi-Protocol on all four ports. Software programmable to the following: RS232, RS422/RS485, RS449, EIA530/A, V.35/V.36 Switch selectable.

**Special Regs & Timers:** Five 16 bit timers; one general purpose RT kernel timer; four SCA channel timers.

**Processor:** Intel's™ i486DX2 CPU-66 MHZ.

**Interrupts:** Supports all PCI INTA IRQ's.

**Non-Volatile Memory:** EEPROM, Flash File (1MB)

**Memory:** 4 to 16 Megs of 32 bit Dual Ported DRAM using standard 72 pin SIMM.

**Cards in system:** 1-12, Dependant on available power and number of slots.

**Host Access Type:** 16 max, dependant on available power and number of slots.

## Cabling

**Type:** 4 port modem cable, 100 Pin HD to 4-DB25M. Cable not included.

## Environmental

**Operating Temp:** Commercial Range.

**Relative Humidity:** To 90% Non-Condensing.

**Power Consumption:** 1.3 Amp @ 5v, 100ma @ +/-12v, (MP version uses 5v only)