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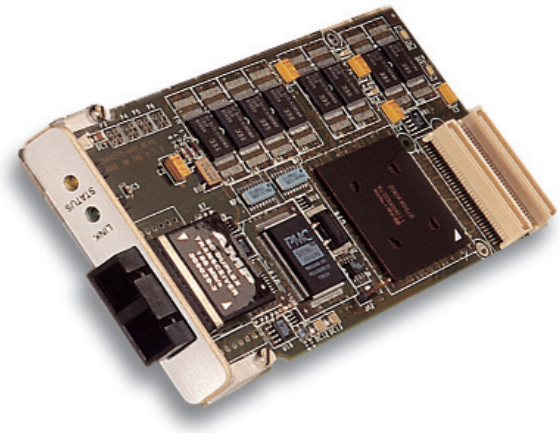
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Find the *Interphase H04575-024* at our website: ***Click HERE***

INTERPHASE

4575 PMC ATM Over OC-3/STM-1 Communications Controller

High Performance 155 Mbps Wide Area ATM Connectivity



FEATURES

- 32-bit 33 MHz PCI bus operation for DMA bursting up to 132 Mbps
- Full duplex 155 Mbps SONET/SDH OC-3/STM-1 ATM network connection
- Media support for multimode fiber and Category 5 UTP copper wire
- Interphase (*i*)chip+ ATM SAR Technology
- Constant Bit Rate (CBR), Unspecified Bit Rate (UBR) and Available Bit Rate (ABR) services implemented in hardware
- Up to 4 K simultaneous Virtual Connections (VCs)
  - Scheduling algorithms support fair per VC queuing and traffic shaping
  - Selectable VPI and VCI assignments
- 1 MB on-board RAM for local segmentation and reassembly
- Capable of direct DMA-driven segmentation and reassembly on host memory
- SNMP agent; ILMI Network Management
- CellView Installation, configuration, diagnostic, and management utility
- Redundant link support
- Support for ATM AAL0 and AAL5 adaptation layers

Internet Access • Video Conferencing • Data Warehouse Systems • Routers/Bridges • Remote Education and Training • DSLAMs • Integrated Access Devices (IADs) • VPNs • Broadcast Access

As the demand increases for high-bandwidth services in business and residential markets, carriers increasingly look to ATM-based networks to deliver these services in a cost-effective and reliable manner. Carriers and other service providers require scalable, high-performance platforms with the flexibility to allow network capacity to keep pace with customers' demands.

Designed especially for high-availability, high-bandwidth telecommunications applications, the Interphase 4575 PMC ATM Over OC-3/STM-1 Communications Controller provides reliable ATM connectivity at 155 Mbps. Utilizing proven Interphase (*i*)chip+™ ATM SAR technology, this controller is ideal for use in CompactPCI® and VME-based communications servers. The 4575 controller meets the needs of a variety of applications, including IP Switching and Routing, Internet connections and other applications that require the Quality of Service (QoS) guarantees provided by ATM.

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4575 PMC ATM Over OC-3/STM-1 Communications Controller

High-Performance Architecture

The 4575 controller features a 32-bit 33MHz PCI bus that supports Read, Write, Read Multiple, Dual Address Cycle, Read Line, Write and Invalidate PCI transactions, with DMA bursting up to 132 Mbps. A 256 byte Receive FIFO and 256 byte Transmit FIFO buffer is equipped, allowing 128 byte DMA bursts over the PCI bus. Based on the PCI Mezzanine (PMC) form factor, the 4575 can be used in CompactPCI, VME, or proprietary systems.

ATM Features

When it comes to ATM technology, Interphase is the industry leader. Utilizing Interphase's proven (*i*)chip+ SAR technology, the 4575 simultaneously supports a wide range of ATM service classes, including Available Bit Rate (ABR), Constant Bit Rate (CBR), and Unspecified Bit Rate (UBR). The 4575 controller supports ATM AAL5 or Null AAL adaptation, and optional Cell Payload Scrambling.

The 4575 controller can be software selectable for on-board or off-board reassembly, and has 1 MB of local Packet RAM storage available for on-board segmentation and reassembly. Up to 4 K of simultaneous Virtual Connections (VCs) can be active at any given time. VCs can be assigned flexible VPI and VCI numbers within the valid range. The board's scheduling algorithms support fair per VC queuing and traffic shaping.

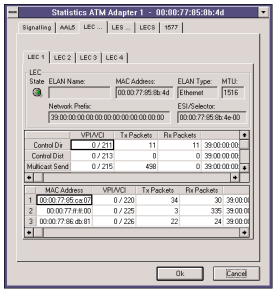
For the most advanced OC-3/STM-1 solution featuring direct connectivity to SONET/SDH facilities, refer to the documentation for the Interphase super intelligent 4532 PMC ATM over OC-3/STM-1 Communications Controller.

Interphase Customer Service and Support

All Interphase WAN, LAN, and storage products are backed by support programs designed to deliver maximized uptime for our customers worldwide. Included are standard and extended product warranty packages, standard and enhanced "7x24" live technical assistance, and free Web-based online support for the life of the product, including technical notes, downloadable driver enhancements, and information on new product releases. Interphase customer support ensures investment protection for your networking, remote access and mass storage connectivity.

Simplest Set-Up and Administration

With CellView, a powerful user installation and diagnostic utility, the 4575 features simplified set-up and configuration. CellView allows a system administrator to quickly configure Interphase ATM adapters and collect statistical information through an intuitive graphical user interface. Among its features, CellView displays all Interphase ATM boards installed in a system including hardware version level. CellView facilitates configuration of signaling parameters, LAN Emulation Client (LEC) interfaces, the LAN Emulation Server (LES) interface, LAN Emulation Configuration Server (LECS) interfaces, and emulated LAN mapping information. Further, CellView provides information on SONET, signaling, and cell level statistics, AAL5 statistics, LEC membership and statistics, and LEC/LECS statistics.



AUTHORIZED INTERPHASE REPRESENTATIVE

SPECIFICATIONS

Architecture

Bus Type..... PMC (PCI 2.1 Compliant)
Data Transfer..... 32-bit
OpenBoot Interface..... IEEE 1275
Buffer RAM.....128 K, 512 K, 1 MB

Mechanical

Length .....149 mm
Width .....74 mm
Indicators .....Board Operational, Link Active

Operating Environment

Temperature .....0 to 55° C
Relative Humidity .....5% to 95% noncondensing
Altitude .....0 to 15,000 ft

Driver Support - (check Web for availability)

VxWorks 5.4
Linux 2.4
Microsoft Windows NT .....Versions 3.5, 4.0
Windows 95, 98.....All Versions
Windows 2000 .....All Versions
Novell NetWare .....Versions 5.x
OS2 .....Versions 2.11 or later
SunSoft Solaris x86 .....Versions 2.4, 5, 6, 7, 8
Sun Solaris SPARC .....Versions 2.5, 2.5.1, 2.6, 7, 8
IBM AIX .....Versions 4.1x
SCO .....Open Server 5.0
UnixWare.....Versions 2.0x, 2.x
HP-UX .....Version 10.2

CONFIGURATION OPTIONS

The 4575 ATM Over OC-3/STM-1 Communications Controller is available in the following configurations:

4575-002: SC duplex connector, Multimode (62.5/125) fiber, 1K VCs

4575-006: RJ-45 connector, 100 ohms UTP copper media, 1K VCs

4575-007: Compu-Shield Slim Line connector, 100 ohms UTP copper media, 4K VCs

4575-009: SC duplex connector, Single mode (8.5/125) fiber media, 1K VCs

4575-010: SC duplex connector, Single mode (8.5/125) fiber media, 4K VCs

4575-014: SC duplex connector, Multimode (62.5/125) fiber media, 4K VCs

4575-901: VxWorks 5.3, 5.4 ATM Driver

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