ETHERNET AND VGA
3U CompactPCI®
Pentium® Board

A DiskOnChip® 32-pin socket is available on the PCISYS-56AE to offer a standard Flash Disk module (up to 288 MB) for embedded applications. This is a cost-effective solution to succeed hard disks in harsh environment. Its built-in True Flash File and ECC/EDC system technology provide a full disk emulation and maximum data reliability.

The PCISYS-56AE can be used in stand alone for embedded or custom systems, or as the heart of a modular system using the CompactPCI expansion bus. The CompactPCI bus allows the PCISYS-56AE to communicate at very high speed with high bandwidth peripherals like graphics, networking, or fast data acquisition modules.

The PCISYS-56AE's front panel includes the standard PC/AT connectors such as COM1, COM2, PS/2 mouse, VGA, keyboard and 10Base-T. The 12 TE front panel is compliant with the IEEE-1101.10 specification for CompactPCI systems. The PCISYS-56AE is fully compatible with EMC regulations.

The PCISYS-56AE is 100% PC compatible and can run MS-DOS, Windows® 95/98, Windows NT™, VxWorks, and any other real-time operating system or applications for the PC architecture.

The PCISYS-56AE is a very high performance, highly integrated Pentium board built on a compact 3U Eurocard format. It uses a Pentium from 133 to 233+MHz MMX processor and the Intel "TRITON II" chip set to provide the highest level of performance in a compact format. This combination of power and rugged industrial packaging makes the board an ideal choice for industrial automation, real-time machine control, telecommunication or medical systems applications.

The PCISYS-56AE also includes two standard 72-pin SIMM modules for up to 128 MB of EDO memory, 256 kB of level 2 cache. A PC/104 expansion connector is used to connect a mezzanine board with the basic peripheral PC functions, including COM1&2, PS/2 mouse, LPT1, keyboard, floppy and Enhanced IDE. The PC/104 connector makes it also possible to stack inexpensive commercial functions (RS-232/485, fieldbuses, GPS...) that can be added to the system.

The PCISYS-56AE also features a 10 Mbits/s Ethernet controller based on the RLT 8019AS all in one chip NE2000 compatible, and a VGA controller with 1 MB of Video RAM for CRT or LCD.

Windows® Embedded

VxWorks®

Windows®98

QNX®

Shaping Innovative Embedded Solutions

Gespac

CPU:
• Pentium MMX @ 133 to 233+ MHz
• "Triton II" chipset

Memory:
• 256 kB level 2 cache memory
• 72-pin SIMMs for 16, 32, 64 or 128 MB RAM
• 128 kB FlashEPROM BIOS
• Up to 288 MB of Flash Disk

Video:
• SVGA controller for CRT and LCD's
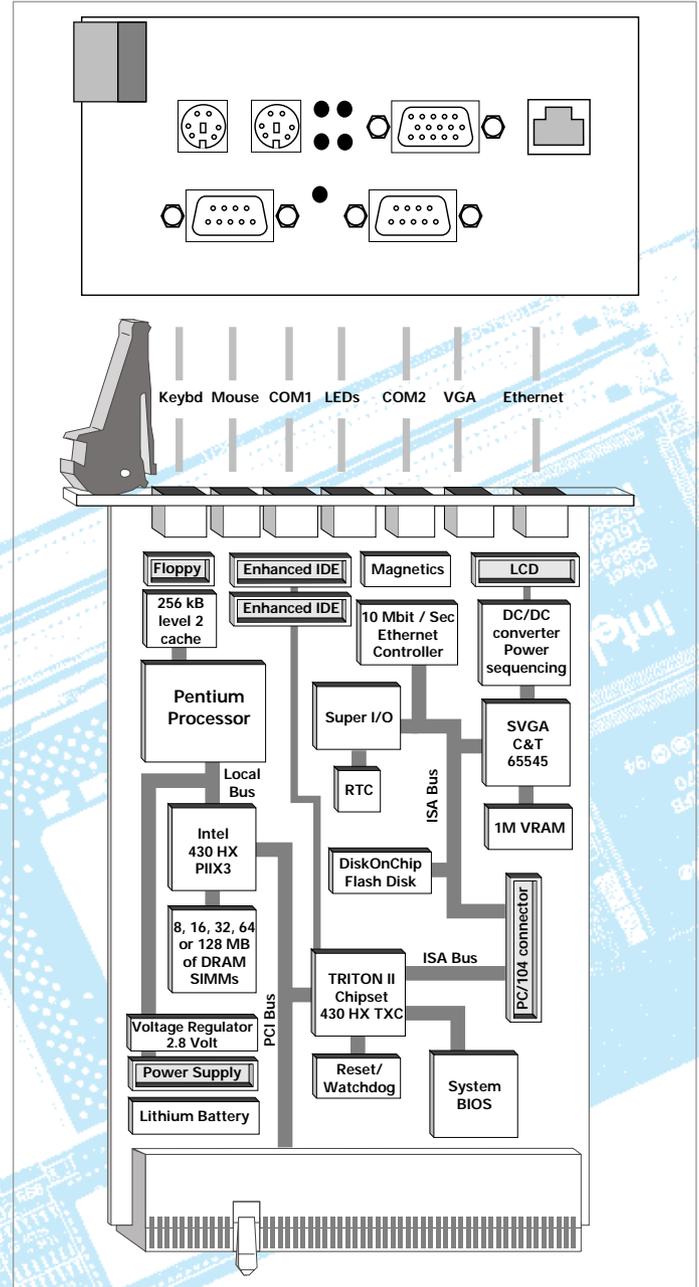• 1024 x 768 x 256 colors resolution

Ethernet
• RTL 8019AS 10 Mbits/s Ethernet controller

Peripheral ports:
• Enhanced IDE interface (four drives)
• COM1-2 serial port (16550)
• Optional Infra-Red on COM2
• PS/2 mouse
• LPT1 parallel interface
• Floppy disk interface
• Keyboard extension
• 16-bit PC/104 extension port
• 10Base-T connector
• 12 TE Front Panel (IEEE 1101.10 compliant)

Additional features:
• Real Time Clock
• Watchdog timer
• Temperature Sensor
• Fan unit
• Stand Alone power supply: 3.3V, +5V, +12V, -12V
• 3U format (100x160mm)

Keybd Mouse COM1 LEDs COM2 VGA Ethernet

Ref. XDF-PCISYS-56AE R1 0128

Order Information

PCISYS-56AE..............CompactPCI Embedded Pentium board with VGA, Ethernet and DiskOnChip socket.
PCISYS-56A...............CompactPCI Embedded Pentium board with VGA only.
INTLPT-1..................Optional LPT-1 interface module for PCISYS-56AE (4 TE).
                    CPUs, 72-pin SIMM modules and DiskOnChip must be ordered separately.

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PCI INDUSTRIAL COMPUTERS