

PEAK 530

Full-size Socket 7 CPU Card

Best Selling Model

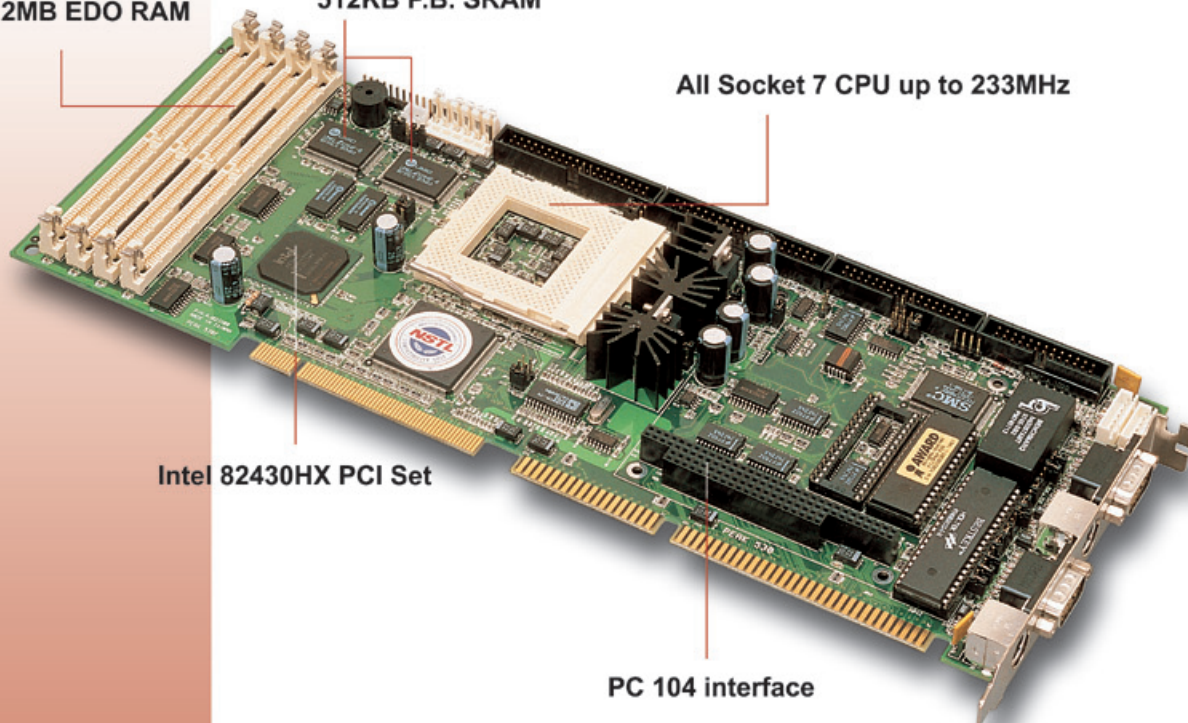
72 pin SIMM x 4 up to
512MB EDO RAM

512KB P.B. SRAM

All Socket 7 CPU up to 233MHz

Intel 82430HX PCI Set

PC 104 interface



Introduction

The PEAK 530 is a full-size single board computer built with high performance Pentium CPU and compatible, high performance PCI Bus and I/O's, huge memory support (512MB), and complies with the new PICMG standard. Various de-facto-standards are supported, such as PC104 connector, chip disk like M-systems. It is an excellent tool to the system integrators, VARs, or turnkey vendor demanding high performance computing, high performance I/O, high data availability, and great system expandability.

Features

- ◆ All socket 7 CPU supports up to 233MHz
- ◆ 512KB P.B. SRAM cache
- ◆ 512MB EDO RAM (Max.) memory support, SIMM x 4
- ◆ Intel 82430HX PCI set
- ◆ On board PC 104 connector
- ◆ On board socket for DiskOnChip up to 144MB
- ◆ ISAMAX support
- ◆ PICMG full-size SBC

NEXCOM

<http://www.nexcom.com>



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PEAK 530

Specifications

System Architecture

- Full size SBC with PCI/ISA Golden finger
- Socket 7 CPU support
- PCI V2.1 complied
- PICMG 1.0 (Rev.2.0) complied

CPU Support

- Intel Pentium P54C/P55C, AMD K5/K6 up to 233MHz
- AMD K6-2 up to 333MHz (for PEAK 530R1 version)

Cache Memory

- 512KB Pipeline Burst SRAM cache memory

Main Memory

- Support Fast Page/EDO memory up to 512MB (Max.)
- 72 pin SIMM socket×4
- ECC support: Single Bit error correction,/Multiple bit errors reporting

BIOS

- Award System BIOS
- Plug & Play support
- Advanced Power Management support
- 2M bits flash ROM

Chip Set

- Intel 82430HX PCI set
- PCI V2.1 complied

On Board I/O

- SMSC 37C669 Super I/O on board
- SIO×2, with 2×16C550 UARTs, 9 pin D-type×2
- PIO×1, Bi-directional, EPP/ECP support, 26 pin connector×1
- Floppy disk controller: 5.25" 360K/1.2MB, 3.5" 720K/1.2MB/1.44MB/2.88MB support, 34 pin×1
- IDE controller: Enhanced IDE support PIO up to mode 4 and mode 2 DMA master two channels, 4 devices support, 40 pin connector×2
- USB port×2, 6 pin header×1

- Keyboard controller×1, PS/2 mouse controller×1, 6 pin mini DIN connector×2, 5 pin header×1 for other keyboard connection
- On board additional power connector×1 (P8)

On Board RTC

- High precision real time clock/calendar with battery back up

On Board Solid State Disk Socket

- On board reserved socket for DOC of M-systems: 2MB~144MB, etc

Watchdog Timer

- 1,2,4...64 seconds time-out intervals

Dimensions

- 338mm(L)×122mm(W)

Power Requirements

- +5V : 6A (Max.)
- +12V : 50mA (Max.)

Environments

- Operating temperatures: 0°C to 60°C
- Storage temperatures: -20°C to 80°C
- Relative humidity: 10% to 90% (Non-condensing)

Certification

- CE approval
- FCC Class A

Model Available

PEAK 530

- Full-size Socket 7 CPU Card

PEAK 530R1

- Full-size Socket 7 CPU Card (for AMD K6-2, 2.2V Vcore)