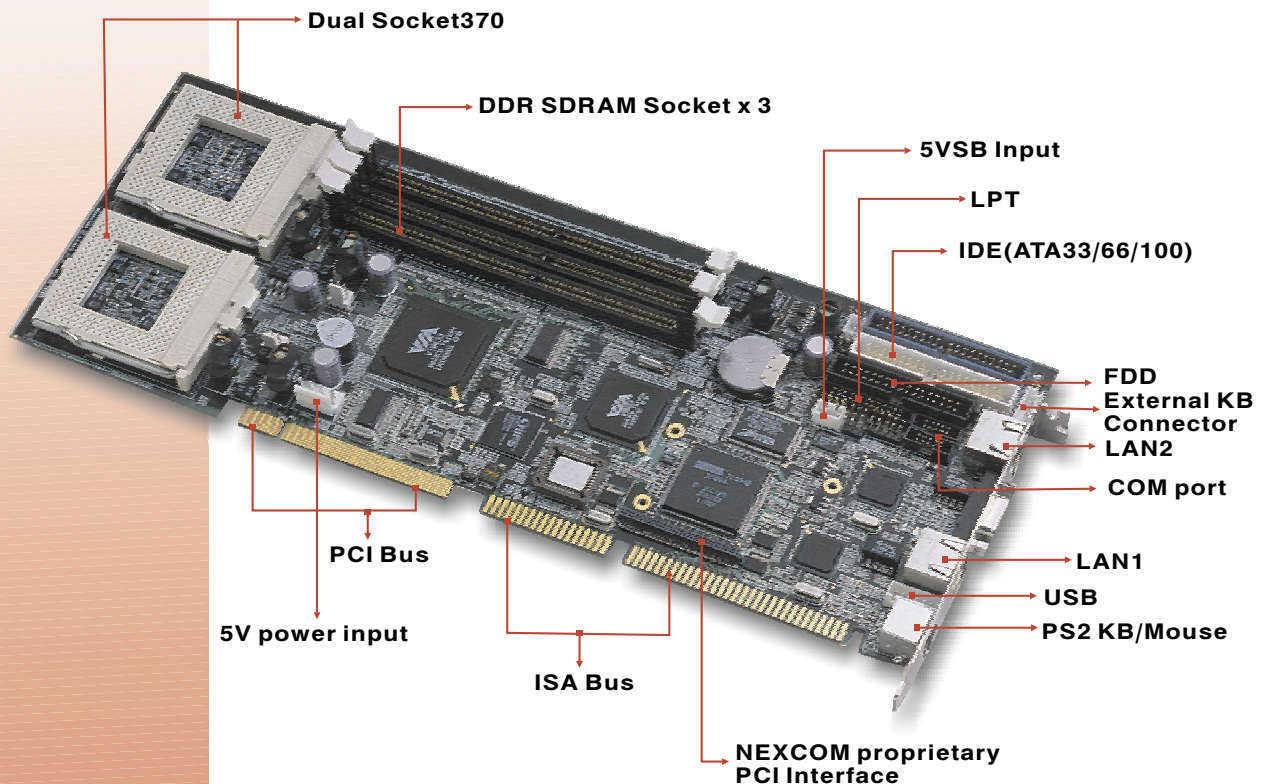


PEAK 6620VL2

Full-size Dual Socket 370 Celeron / Pentium III CPU Card



Features

- ◆ Dual Pentium III CPU with 100/133MHz FSB up to 1GHz
- ◆ 3GB DDR DRAM (Max.), DIMM x 3
- ◆ VIA Apollo PRO 266 Chipset (VT 8633 and VT 8233)
- ◆ C&T 69000 VGA controller
- ◆ Dual Intel 82559 10/100 Base Ethernet controller
- ◆ Support Ultra DMA 33/66/100 IDE bus



<http://www.nexcom.com>



ISO 9001
Certified Firm

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PEAK 6620VL2

Specifications

System Architecture

- Full size SBC with PCI/ISA Golden finger
- Intel dual Socket 370 Pentium III with 100/133MHz FSB
- PCI V2.2 compliant
- PICMG 1.0 (Rev.2.0) compliant

CPU Support

- Intel Pentium III CPU with 128/256K cache on die
- Socket 370 FC-PGA CPU running at 100/133MHz FSB up to 1GHz
- Dual CPU support
- Support streaming SIMD instruction
- On board intelligent switching type power regulator x 2

Main Memory

- Support DDR up to 3GB (Max.)
- DDR Socket x 3
- ECC support
(single bit error correction/Multiple bit errors reporting)

BIOS

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

Chip Set

- VIA Apollo PRO 266 Chipset (VT 8633 and VT8233)
- 100/133MHz FSB support
- PCI V2.2 compliant
- DEC 21150 PCI Bridge

On Board VGA

- C&T AGP Mode VGA controller
- 2MB SDRAM on die
- Driver support : Windows 95/98/2000, Windows NT4.0
- 15 pin CRT connector x 1

On Board LAN

- Dual Intel 82559 Ethernet controller
- 10 Base T/100 Base TX support, full duplex
- Compliant with PCI V2.1, IEEE802.3, IEEE 802.3U
- Backward compatible with former 82558 Ethernet controller base net modules
- Drivers support : DOS/Windows, Windows 95/98/2000, Windows NT, Netware, SCO Open Server 5.0
- RJ45 connector x 2

On Board I/O

- SMsC LPC 47B 272 super I/O
- SIOx 2, with 2x 16C550 UARTs, 10 pin header 2.0 pitch x 2
- PIOx 1, bi-directional, EPP/ECP support, 26 pin connector 2.0 pitch x 1
- Floppy Disk controller: 34 pin connector x 1
- On chip enhanced IDE x 2, Ultra DMA/66/100 support, 40 pin connector x 2, total 4 E. IDE devices support. Two pin power connector for DOM.
- On chip Keyboard, mouse controller, 5 pin connector x 1 (for other keyboard) : 6 pin mini DIN connector x 1, for PS/2 keyboard/mouse

- On board USB port x 2
- On board buzzer x 1
- On board 2 pin header for I²C
- GPIO (4 in 4 out)
- On board 5 pin header for IrDA
- On board 2 pin header for reset SW, 4 pin for speaker, 5 pin for keylock, 2 pin power SW
- On board buzzer x 1
- Power Connector (4P) x 1

On Board RTC

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

On Board Solid State Disk Socket

- Two power pin beside the IDE connector to support Disk On Module (DOM)

System Monitor

- Winbond W83782D system monitor controller
- Seven voltage (For +3.3V, +5V, +12V, -12V, Vtt and Vcore x 2)
- Two Fan speed (For CPU)
- Three temperature
- Drivers support: Windows 95/98/2000, Windows NT4.0

ISAMAX Support

- Maximize ISA signals to support ISA cards up to 20

Watchdog Timer

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

Dimensions

- 340mm(L) x 122mm(W)

Power Requirements

- +5V : 20A (Max.)
- +12V: 400mA (Max.)
- -12V: 50mA (Max.)
- +3.3V: TBD

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

Models Available

PEAK 6620VL2

- Full-size Dual Socket 370 Pentium III FSB 133MHZ UltraDMA 33/66/100 CPU Card with VGA / Dual LAN

PEAK 6620AD

- Full-size Dual Socket 370 Pentium III FSB 133MHZ UltraDMA 33/66/100 CPU Card with VGA / Dual LAN / Dual Channel SCSI 160