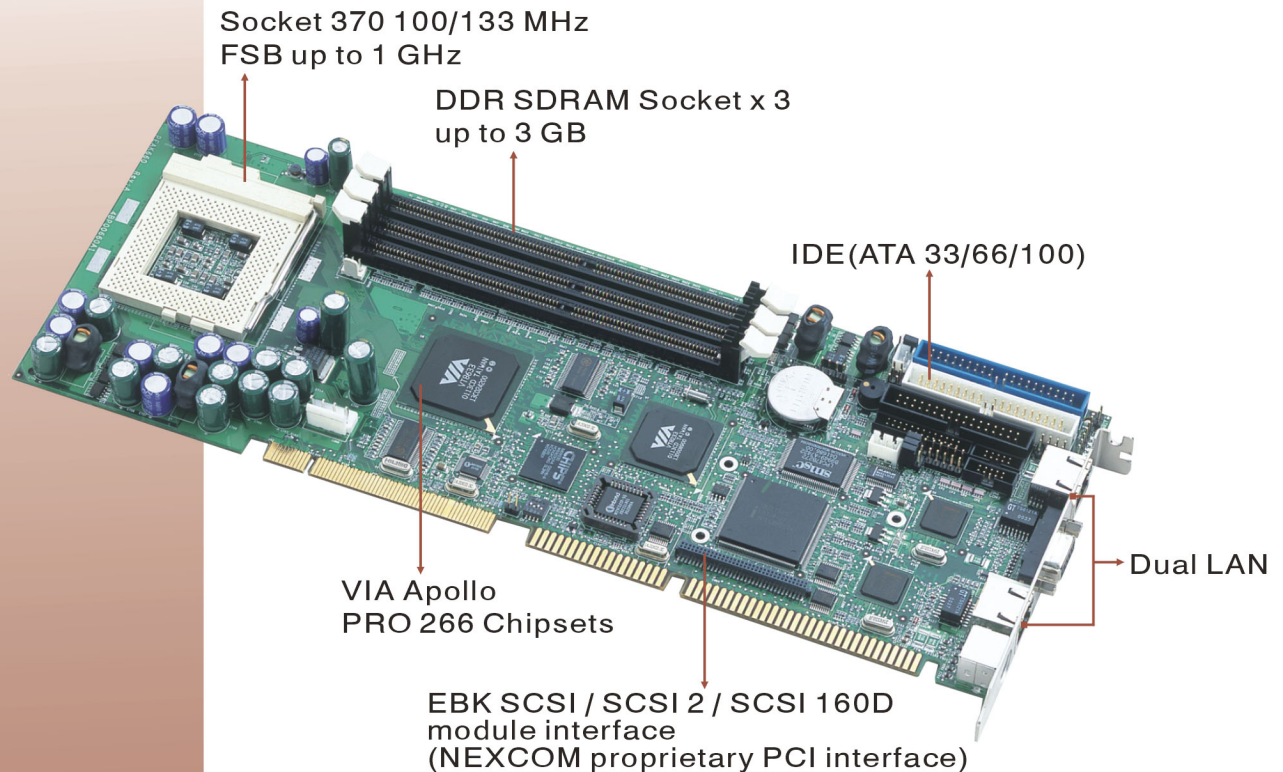


# PEAK 660VL2

Full-size DDR SDRAM Socket 370 133MHz  
Pentium III Dual LAN and UltraDMA  
33/66/100 CPU Card



## Features

- ◆ Intel Pentium III CPU with 100/133MHz FSB , CPU speed support up to 1GHz
- ◆ 3GB SDRAM (Max.) memory support, DDR x 3
- ◆ VIA Apollo PRO 266 Chipset (VT8633 and VT8233)
- ◆ C&T 69000/69030 VGA controller
- ◆ Dual Intel 82559 10/100 Base Ethernet controller
- ◆ RS232 x 2 with 16C550 UARTs
- ◆ Enhanced parallel port, support SPP/EPP/ECP
- ◆ UltraDMA 33/66/100MHz x 2 with power connector, FDC x1 , PS/2 keyboard/mouse
- ◆ USB port x2
- ◆ Watchdog Timer(1~64 sec)
- ◆ ISAMAX support up to 20 slots ISA card



<http://www.nexcom.com>



ISO 9001  
Certified Firm

NEXCOM Taiwan  
NEXCOM International Co., LTD.  
18F, No. 716, Chung-Cheng Road, Chung-Ho,  
Taipei Hsien 235, Taiwan, R.O.C.  
Tel: 886-2-8228-0500  
Fax: 886-2-8228-0506  
e-mail: [nexcom@nexcom.com.tw](mailto:nexcom@nexcom.com.tw)

NEXCOM UK  
NEXCOM (UK) LTD.  
Cromwell Business Center  
14 Howard Way, Newport Pagnell,  
Milton Keynes, MK 16 9QS U.K  
Tel: 44 -1908-21 88 77  
Fax: 44 -1908-21 88 67  
e-mail: [sales@nexcomuk.co.uk](mailto:sales@nexcomuk.co.uk)

NEXCOM USA  
NEX Computers Inc.  
46706 Fremont Blvd.  
Fremont, CA 94538, U.S.A  
Tel: 1-510-656-2248  
Fax: 1-510-656-2158  
e-mail: [sales@nexcom.com](mailto:sales@nexcom.com)

NEXCOM Germany  
NEXCOM GmbH  
Siemensring 44 o  
47877 Willich-Muenchheide  
Germany  
Tel: 49-2154-48160  
Fax: 49-2154-481610  
e-mail: [sales@nexcom-ipc.de](mailto:sales@nexcom-ipc.de)

NEXCOM Japan  
NEXCOM Japan Co., LTD.  
10F, Nakagin-Shiroyama Bldg., 8-16-13,  
Ginza Chuou-ku Tokyo, Japan 104-0061  
Tel: 03-3524-4250  
Fax: 03-3524-4252  
e-mail: [sales@nexcom-jp.com](mailto:sales@nexcom-jp.com)

# PEAK 660VL2

## Specifications

### System Architecture

- Full size SBC with PCI/ISA Golden finger
- Intel 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
- Support streaming SIMD instruction
- On board intelligent switching type power regulator

### 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 (VT8633 and VT8233)
- 100/133MHz FSB support
- PCI V2.2 compliant
- DEC 21150 PCI Bridge

### On Board VGA

- C&T 69000/69030 VGA controller
- 2/4 MB 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
- SIO x2, with 2 x 16C550 UARTs, 10 pin header 2.0 pitch x 2

- PIO x1, bi-directional, EPP/ECP support, 26 pin connector 2.0 pitch x1
- Floppy Disk controller : 34 pin connector x1
- 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 I<sup>2</sup>C
- 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 x1
- Power Connector (4P) x 1

### On Board RTC

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

### System Monitor

- Winbond W83782D system monitor controller
- Seven voltage (For +3.3V, +5V, +12V, -12V, Vtt and Vcore x2)
- 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, 512 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 660VL2

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