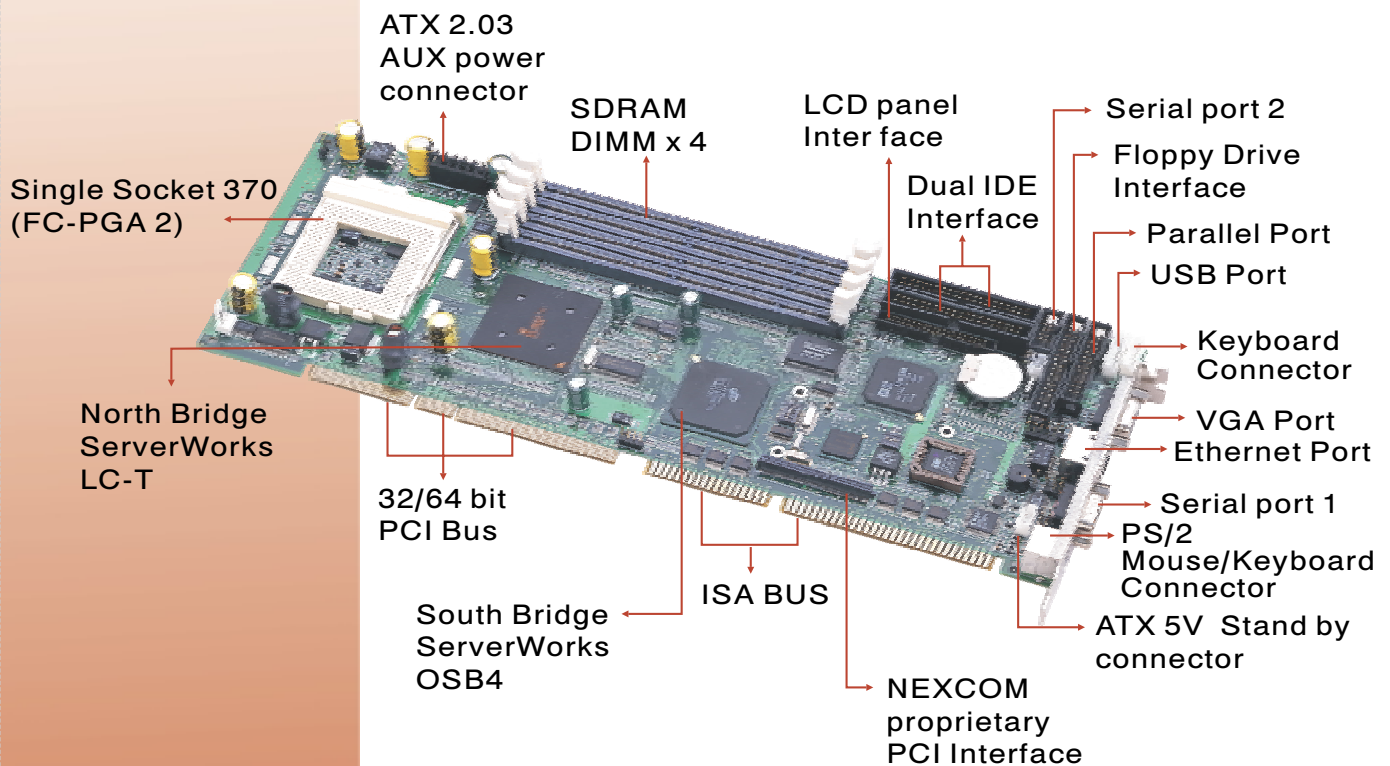


# PEAK 670VL

## Full-size Socket 370 Pentium III 64bit/66MHz CPU Card w/VGA/LAN/IDE RAID



### Features

- ◆ Intel Pentium III / FC-PGA/FC-PGA2 CPU with 100/133MHz FSB up to 1.26GHz or above
- ◆ 4GB SDRAM (Max.) memory support, SDRAM DIMM x 4, w/ ECC Support only
- ◆ ServerWorks LC-T Chipset
- ◆ SMI 712 VGA controller with 4MB on die memory
- ◆ Intel 82559 10/100 Base T/TX Ethernet controller
- ◆ IDE RAID 0, 1, 0+1 Support (optional)
- ◆ ISAMAX support up to 20 slots ISA card



<http://www.nexcom.com>



ISO 9001  
Certified Firm

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# PEAK 670VL

## Specifications

### System Architecture

- Full size SBC with 64bit /66MHz PCI/ISA Golden finger
- Intel Socket 370 Pentium III / FC-PGA/FC-PGA2 with 100/133MHz FSB
- PCI V2.2 compliant
- PICMG 1.0 (Rev.2.0) compliant

### CPU Support

- Intel Pentium III / FC-PGA/FC-PGA2 CPU with cache on die 256 / 512K
- Socket 370 or above running at 100/133MHz FSB up to 1.26 GHz
- Support streaming SIMD instruction

### Main Memory

- Support SDRAM up to 4GB (Max.) registered 72bit ECC type SDRAM support only
- 168 Pin DIMM Socket x 4
- Memory ECC & scrubbing support

### BIOS

- Award System BIOS
- Plug & Play support
- Advanced Power Management support
- Advanced configuration & Power Interface support
- 4M bits flash ROM

### Chip Set

- ServerWorks LC-T and OSB4
- 100/133MHz FSB support
- PCI V2.2 compliant

### On Board VGA

- SMI 712 with 4MB memory on die; 200MHz 24-bit RAMDAC, 3D/2D graphic support
- PCI 2.1 support
- Driver support: Windows 95/98/2000, Windows NT4.0, Linux, Solaris, SCO
- 15 pin CRT connector x1; 40 pin and 26 pin TTL Panel Interface connector support Dual LCD Display

### On Board LAN

- Intel 82559 Ethernet controller
- 10 Base T/100 Base TX support, full duplex
- Compliant with PCI V2.1, IEEE802.3, IEEE 802.3U
- Drivers support: DOS/Windows, Windows 95/98/2000, Windows NT, Netware, SCO Open Server 5.0, Linux
- RJ45 connector x1

### On Board I/O

- NSPC97317 Server I/O
- SIO x 2 with 2 x 16C550 UARTs, 10 Pin connector 9-PIN header x 1, D-Sub x 1
- PIO x 1, bi-directional, EPP/ECP support, 26 pin connector x 1
- Floppy Disk controller: 34 pin connector x 1
- On chip enhanced IDE x 2, Ultra DMA33 support, 40 pin connector x 2
- External Keyboard 5 pin connector x 1; 6 pin mini DIN connector x 1 for PS/2 keyboard/mouse
- On board USB port x 2

- On board 2 pin header for I<sup>2</sup>C; GPIO (4 in 4 out)
- On Board 2 pin header for reset SW, 5 pin for keylock, 2 pin header for power push button, 3 Pin Jst ( 5Vsb, PS-On, GND ) to Backplane
- On board buzzer x1
- Power Connector (AUX Spec) x 1

### ON Board IDE RAID ( Option )

- PROMISE IDE RAID 0, 1, 0+1, FastTrak 100 Chipset
- Boosts Ultra ATA/100 Drives
- RAID 0 performance speeds A/V editing, graphics, imaging, and CAD
- RAID 1 redundancy for entry-level networks, critical data environments
- RAID 0+1 for high performance, high capacity with fault tolerance
- 40 pin connector x 2 ( shared )

### On Board NEXCOM proprietary PCI interface

- Reserved 32 bit PCI interface for NEXCOM EBK Module

### On Board RTC

- High on chip real time clock/calendar with battery backup.

### System Monitor

- Winbond W83782D system monitor controller
- 6 voltages (For +3.3V, +5V, +12V, -12V, Vtt and Vcore x1)
- Fan speed (For CPU)
- 2 on die CPU temperature sensor, system sensor
- Drivers support: Windows 95/98/2000, Windows NT4.0

### ISAMAX Support

- Maximize ISA signals to support ISA cards up to 20

### Watchdog Timer

- 1~64 seconds time-out intervals

### Dimensions

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

### Power Requirements

- +5V: 20A (Max.)
- +12V: 400mA (Max.)
- -12V: 50mA (Max.)
- +3.3V:2.5A(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

## Order Information

### PEAK 670VL

- Full-size Socket 370 Pentium III 64bit/66MHz CPU Card w/ VGA / LAN

### PEAK 670VLR

- Full-size Socket 370 Pentium III 64bit/66MHz CPU Card w/ VGA / LAN / IDE RAID

**NEXCOM**

The Digital Infrastructure

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