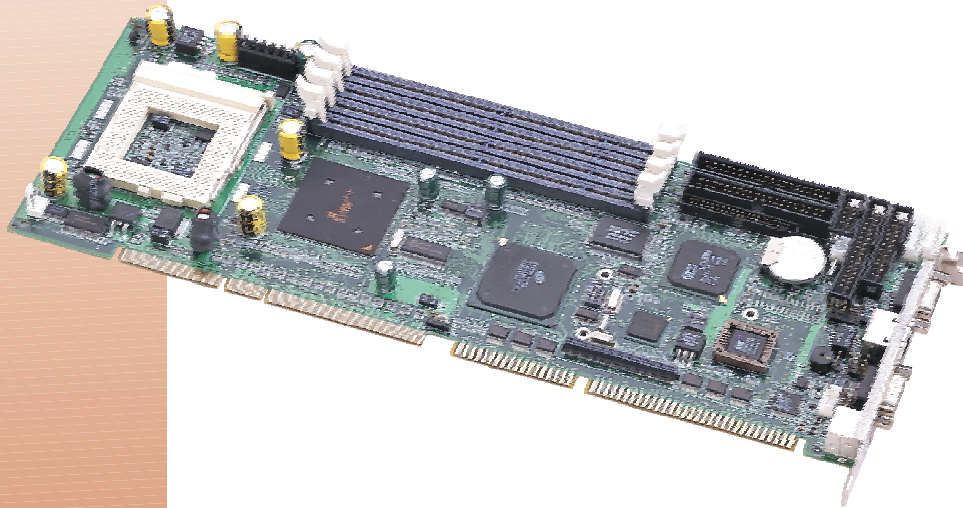


Industrial Computer Series

PEAK670VL

Full-size 133MHz FSB Socket 370 Pentium III/
Next Generation Pentium III IDE RAID 64bit PCI
CPU Card



Features

- ◆ Intel Pentium III / Next Generation Pentium III CPU with 100/133MHz FSB up to 1.26GHz
- ◆ 4GB SDRAM (Max.) memory support, SDRAM DIMM x 4, registered DIMM only
- ◆ ServerWorks LC-T Chipset
- ◆ SMI 721/ 712 VGA controller
- ◆ Intel 82559 10/100 Base Ethernet controller
- ◆ IDE RAID 0, 1, 0+1 Support
- ◆ USB port x2
- ◆ ISAMAX support up to 20 slots ISA card



ISO 9001
Certified Firm

PEAK670VL

Specifications

System Architecture

- Full size SBC with NEXCOM patented 64/32-bit PCI/ISA Golden finger
- Intel Socket 370 Pentium III / Next Generation Pentium III with 100/133MHz FSB
- PCI V2.2 compliant
- PICMG 1.0 (Rev.2.0) compliant

CPU Support

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

Main Memory

- Support SDRAM up to 4GB (Max.) registered SDRAM only
- DIMM 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
- 100/133MHz FSB support
- PCI V2.2 compliant

On Board VGA

- SMI 721/712 with 4MB memory on die; 200MHz 24-bit RAMDAC, High performance, power managed 3D/2D
- PCI 2.1 support
- Driver support: Windows 95/98/2000, Windows NT4.0, Linux, Solaris, SCO
- 15 pin CRT connector x1; 50 pin TTL Panel Interface connector x 1

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
- 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, Linux
- RJ45 connector x1

On Board I/O

- NSPDC87417 Super I/O
- SIO x 2, with 2 x 16C550 UARTs, 10 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 DMA66 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 buzzer x 1
- On board 8 pin header for I²C; 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
- 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 proprietary PCI interface

- Reserved 32 bit PCI interface for NEXCOM EBK Module

On Board RTC

- High precision real time clock/calendar

System Monitor

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

ISAMAX Support

- Maximize ISA signals to support ISA cards up to 20

Watchdog Timer

- 1~127 seconds or 1~127 Min. 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

PEAK670VL

- Full-size 64bit PCI 133MHz FSB Socket 370 Pentium III / Next Generation Pentium III CPU Card with VGA / LAN

- All brand name and registered trademarks referred to in this datasheet are the property of their respective owners.
- All specifications are subject to change without notice.