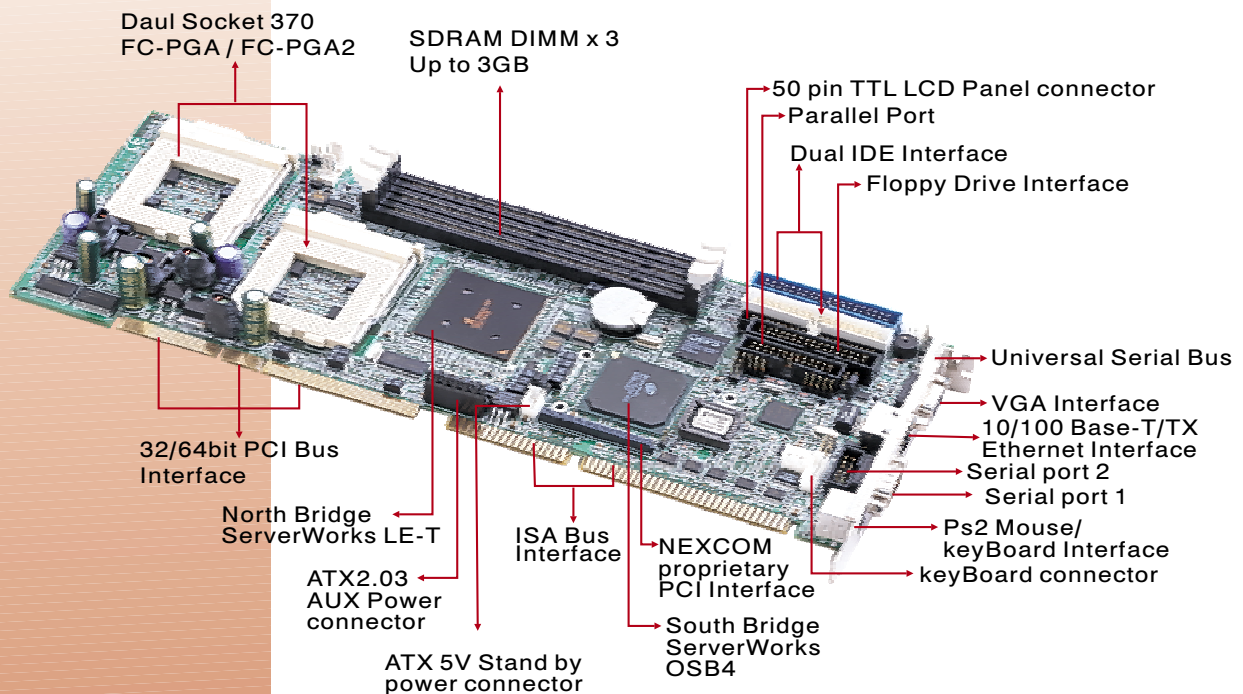


PEAK 6720VL

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



Features

- ◆ Intel Dual Pentium III FC-PGA/FC-PGA2 CPU with 100 /133MHz FSB up to 1.26GHz or above
- ◆ Max. 3GB SDRAM, 168-pin DIMM x 3
- ◆ ServerWorks LE-T Chipset
- ◆ C&T 69030 VGA controller with 4MB on die Memory
- ◆ Inter 82559 10/100 Base T/TX Ethernet controller
- ◆ 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

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

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

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

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

PEAK 6720VL

Specifications

System Architecture

- Full size SBC with 64 bit/66MHz PCI / ISA Golden finger
- Intel dual 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 / 512K cache on die
- Socket 370 running at 100/133MHz FSB up to 1.26 GHz or above
- Dual CPU support
- Support streaming SIMD instruction
- On board intelligent switching type power regulator x 2

Main Memory

- Support SDRAM up to 3GB (Max.) registered 72 bit ECC type SDRAM support only
- 168 pin DIMM socket x 3
- 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 LE -T and OSB4
- 100/133MHz FSB support
- PCI V2.2 compliant

On Board VGA

- C&T 69030 w/4MB memory on die
- TFT LCD/DSTN LCD/CRT control
- Driver support: Windows 95/98/2000, Windows NT4.0
- 15 pin CRT connector x1, 50 pin LCD Panel Connector

On Board LAN

- Intel 82559 Ethernet controller
- 10 Base T/100 Base TX support, full duplex
- Compliant with PCI V2.1, IEEE802.3, IEEE802.3U
- Drivers support: DOS/Windows, Windows 95/98/2000, Windows NT 4.0, SCO Open Server 5.0, Linux
- RJ45 connector x 1

On Board I/O

- NSPC97317 Server I/O
- SIO x 2 with 2 x 16C550 UARTs, 10 pin connector x 1, 9 pin 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 DMA 33 support, 40 pin connector x 2, two power DIN beside the IDE connector support DOM (Disk On Module)
- 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 2 pin header for I²C; GPIO (4 in 4 out)
- On Board 2 pin header for reset SW, 5 pin for key-lock, 4 pin for Speaker, 2 pin header for power push button, 3 Pin Jst (5Vsb, PS-On, GND) to Backplane
- Power Connector (AUX Spec) 6 pin x 1

On Board RTC

- On chip RTC clock/calendar with battery back up

On Board NEXCOM proprietary PCI interface

- Reserved 32 bit PCI interface for NEXCOM EBK module

System Monitor

- Winbond W83782D system monitor controller
- Eight voltage (For +2.5V, +3.3V, +5V, +12V, -12V, Vtt and Vcore x 2)
- Two Fan speed (For CPU)
- 2 on die CPU temperature sensor, 1 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

- 338.58mm(L) x 122mm(W)

Power Requirements

- +5V: 20A(Max)
- +12V: 600mA(Max)
- -12V: 50mA(Max)
- +3.3V: 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 6720VL

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

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- All specifications are subject to change without notice.

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The Digital Infrastructure