

PEAK-6720VL

Full-size 64bit/66MHz PICMG SBC support Dual Socket 370 Pentium® III / New Pentium® III (0.13µ) w/ VGA/LAN

SPECIFICATIONS

System Architecture

Full size SBC with 64bit PCI/ISA Golden finger
Intel® dual Socket 370 Pentium® III / New Pentium® III (0.13µ process) with 100/133MHz FSB
PCI V2.2 compliant
PICMG 1.0 (Rev. 2.0) compliant

CPU Support

Intel® Pentium® III / New Pentium® III (0.13µ process) CPU with 256/512K cache on die
Socket 370 FC-PGA/PC-PGA2 CPU 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 x2

Main Memory

Support SDRAM up to 3GB (Max.) Registered 72 bit ECC type SDRAM support only, DIMM socket x3
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
100/133MHz FSB support
PCI V2.2 compliant

On Board VGA

C&T 69030 display controller
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 (PRO/100 Network Connection) Ethernet controller x1
10 Base T/100 Base TX support, full duplex
Compliant with IEEE802.3, IEEE802.3U
Drivers support: DOS/Windows®, Windows® 95/98/2000, Windows® NT 4.0, SCO Open Server 5.0
RJ45 connector x1

On Board I/O

NS PC87417 LPC Server I/O
SIO x2, with 2 x 16C550 UARTs, 10 pin connector 2.54 x1, 9 pin D-Sub out x1
PIO x1, bi-directional, SPP/EPP/ECP support, 26 pin connector 2.54 pitch x1
Floppy Disk controller: 34 pin connector x1
On chip enhanced IDE x2, Ultra DMA33 support, 40 pin connector x2
External Keyboard 5 pin connector x 1; 6 pin mini DIN connector x1, for PS/2 keyboard/mouse
On board USB port x2
On Board buzzer x1
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 x1

On Board RTC

Anewtech Systems

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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 x2)

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

Anewtech Systems

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