

# PEAK-6320A

Full-size Dual Socket 370 Celeron®/ Pentium® III  
All-in-One CPU Card

## SPECIFICATIONS

### System Architecture

Full size SBC with PCI/ISA Golden finger  
Intel® dual Socket 370 Celeron™/Pentium® III with 66/100MHz FSB  
PCI V2.1 compliant  
PICMG 1.0 (Rev.2.0) compliant  
Intel® MPS1.1 specification compliant

### CPU Support

Intel® Celeron™/ Pentium® III CPU with 128/256K cache on die  
Socket 370 FC-PGA CPU running at 66/100MHz FSB up to 1GHz or above  
Dual CPU support  
Support streaming SIMD instruction  
On board intelligent switching type power regulator x2

### Main Memory

Support SDRAM up to 1GB (Max.)  
168 pin DIMM socket x4  
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

Intel® 82440BX AGP set  
66/100MHz FSB support  
PCI V2.1 compliant  
Optimized SDRAM support

### On Board VGA

C&T 69000 AGP mode VGA controller  
TFT LCD/DSTN LCD/CRT control  
2MB SDRAM on die  
Maximum Res. Color & Refresh Rate  
Resolution Colors Refresh Rate (Hz)  
1280 x 1024 256 60  
1024 x 768 16bits (High color) 85, 75, 60  
800 x 600 24bits (True color) 85, 75, 60  
Driver support: Windows® 95/98/2000, Windows® NT4.0  
15 pin CRT connector x1, 50 pin LCD panel connector x1

### On Board LAN

Intel® 82559 (PRO/100 Network Connection) Single 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 x1

### On Board SCSI Socket - through NEXCOM proprietary PCI interface

Adaptec 7880 Ultra Wide / 7899 Ultra 160 SCSI controller (EBK SCSI 160D Module)  
Drivers support: Windows® 95/98/2000, Windows® NT4.0, SCO Open Server 5.0

### On Board I/O

## Anewtech Systems

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Winbond W83977 Super I/O on board

SIO x2, with 2 x 16C550 UARTs, 9 pin D-type x1, 10 pin HEADER x1, optional RS422/485 x1

PIO x1, Bi-directional, EPP/ECP support, 26 pin connector x1

Floppy Disk controller: 5.25" 360K/1.2MB, 3.5" 720K/1.2MB/1.44MB/2.88MB support, 34 pin connector x1

On chip enhanced IDE x2, PIO up to mode 4, DMA master up to mode 2, Ultra DMA/33 support, 40 pin x2, total 4 E.IDE Devices support

On chip keyboard/Mouse controller, 5 pin connector x1 (for other keyboard); 6 pin min DIN connector x1, PS/2

keyboard/Mouse share by Y cable (for PEAK 6320VL/PEAK 6320A), 6 pin mini DIN connector x2 (for PEAK 6320/PEAK 6320V)

On board USB port x2 (6 pin header x1)

On board buzzer x1

On board 2 pin header for reset SW, 4 pin for speaker, 5 pin for keylock

On board 2 pin header for I2C

### On Board RTC

High precision real time clock/calendar with battery back up

### On Board Solid State Disk Socket

On board reserved socket for DOC of M-system: 2MB~288MB, etc

### 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 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, 2, 4...64 seconds time-out intervals

### Dimensions

Dimensions: 338.58mm (L) x 122mm (W)

### Power Requirements

+5V: 20A (Max)

+12V: 500mA (Max)

-12V: 50mA (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

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## Anewtech Systems

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