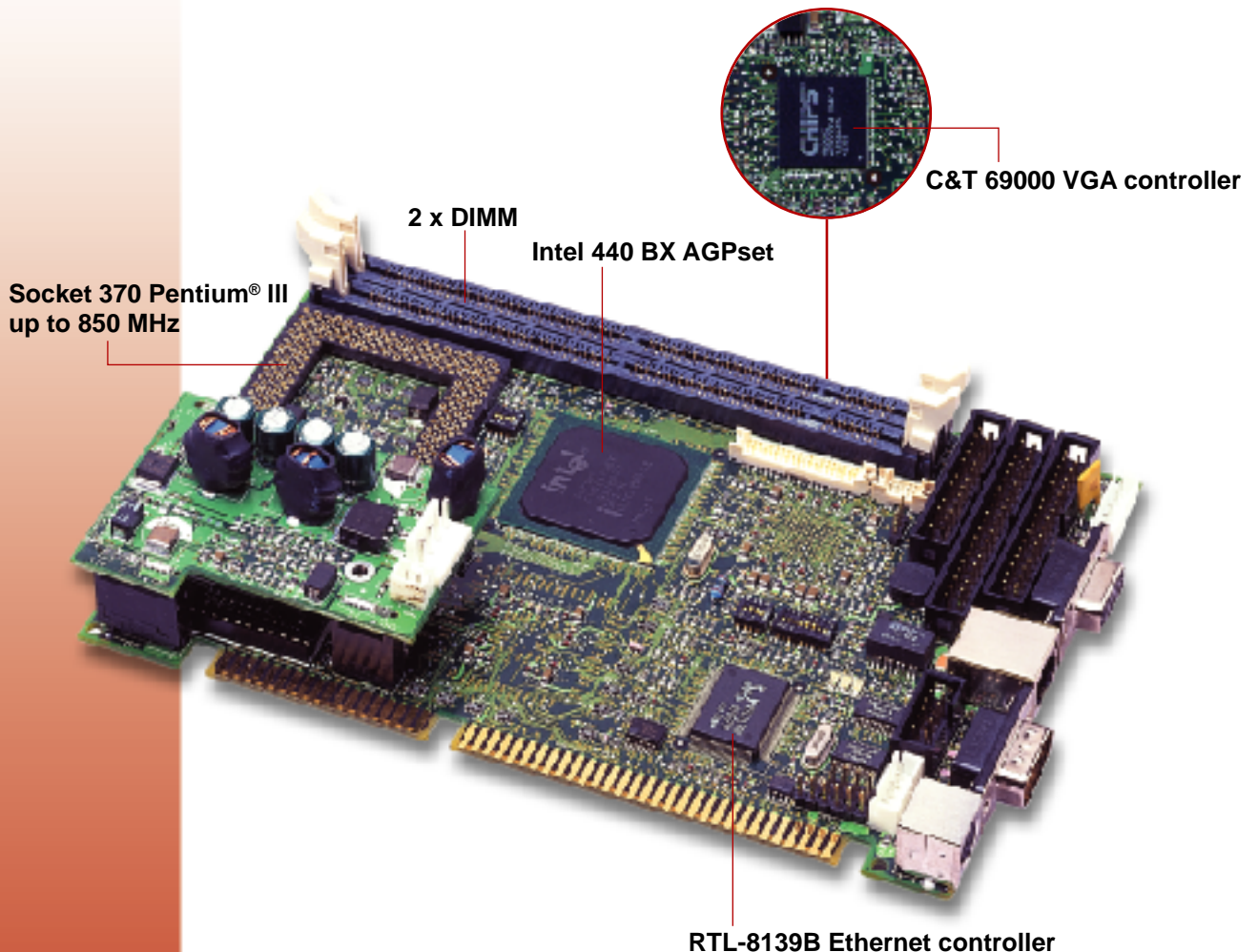


# PEAK 600VL

Half-size Socket 370 Pentium® III CPU Card w/ VGA/ LAN



## Features

- ◆ Intel® Pentium® III FC-PGA support, 66/100 MHz FSB, up to 850 MHz.
- ◆ Intel® 440BX chipset
- ◆ Memory up to 512 MB SDRAM, all ECC support, 2 DIMMs on board.
- ◆ C& T 69000 AGP mode VGA controller with CRT/LCD support
- ◆ RTL-8139B 10/100 base TX Ethernet controller
- ◆ Adaptec 7899 SCSI controller
- ◆ On board VGA with 2MB on die, CRT and Panel support

**NEXCOM**  
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# PEAK 600VL

## Specifications

### System architecture

- Intel® Socket 370 Celeron™/Pentium® III CPU architecture, CPU up to 850 MHz
- 66/100 MHz bus supported
- CE, FCC Class A certified
- Equipped with VGA, 100Base-TX
- PCI V2.1 compliant
- PICMG 1.0 compliant
- Half-size SBC with ISA gold fingers

### CPU support

- Intel® Socket 370 CPU (PGA socket)
- Intel® Celeron™/Pentium® III for Socket 370 up to 850 MHz with 66/100 MHz external bus

### Cache memory

128/256 KB Level 2 cache (pipeline burst SRAM) on-die

### Main memory

- Supports SDRAM only Up to 512 MB (max.)
- 168-pin DIMM socket x 2
- ECC support (single bit error correction / multiple bit error reporting)

### BIOS

- Award System BIOS supported
- 2Mbit Flash ROM
- C&T VGA BIOS

### Chipset

- Intel(r) 82440BX PCI set
- PCI V2.1 concurrent PCI
- Optimized SDRAM support

### VGA

- C&T 69000 VGA controller (mini VGA package)
- 2 MB SDRAM embedded
- CRT and flat panel displays supported
- AGP interface
- C&T 69000 controller

Resolution	Colors	Refresh Rate (Hz)
1280x1024	256	60
1024x768	16bits (High color)	85, 75, 65
800x600	24bits (True color)	85, 75, 65

Dual displays supported, MPEG I/II playback supported  
Drivers support: Windows 95/98, Windows NT 4.0

### LAN

- RTL-8139B Ethernet controller
- 10Base-T / 100Base-TX supported, full Duplex
- Complies with PCI V2.1
- Driver support: Dos/Windows, NetWare, Windows 95/98, Windows NT 4.0, SCO Open Server 5.0
- RJ-45 x 1

### Onboard I/O

- Winbond 83977-TF Super I/O onboard
- SIO x 2, with 2 x 16C550 UARTs, 10-pin connector x 1
- PIO x 1, bidirectional, EPP/ECP supported, 26-pin x 1
- Floppy disk controller: 5.25" 360 KB / 1.2 MB;
- 3.5" 720 KB / 1.2 MB / 1.44 MB / 2.88 MB supported, 34-pin x 1
- One PCI IDE hard disk interface: Supports up to two enhanced IDE devices up to Ultra DMA 33
- On-chip keyboard, mouse controller
- Onboard 5-pin header for keyboard x 1
- Onboard buzzer x 1
- Onboard USB with 6-pin header x1
- Onboard 2-pin header for reset switch, 4-pin for speaker

### I/O connectors

- VGA port
- LAN RJ-45 connector (change to PS/2 mouse port if LAN is not required)
- COM1 DB-9 connector
- PS/2 keyboard connector (PS/2 connector is for both mouse and keyboard if LAN connector is required)

### Onboard RTC

High precision clock/calendar with battery backup

### Onboard solid state disk socket

- Socket reserved for M-Systems' DiskOnChip® (DOC)
- Memory size up to 144 MB single chip
- Drivers support DOS, Windows, Win 95/98 and NT

### ISA MAX

Built-in ISA MAX to support more ISA add-on cards (up to 20)

### Watchdog Timer

1, 2, 4, 8, 16, 32, 64 second time-out intervals

### Dimensions (W x D)

185 x 122 mm

### Power requirements

- +5 V @ 14 A (max)
- +12 V @ 200 mA (max)

### Environment

- Operating temperature: 0 ~ 60°C
- Storage temperature: -20 ~ 80°C
- Relative humidity: 10 ~ 90% (non-condensing)

### Certification

- CE approved
- FCC Class A