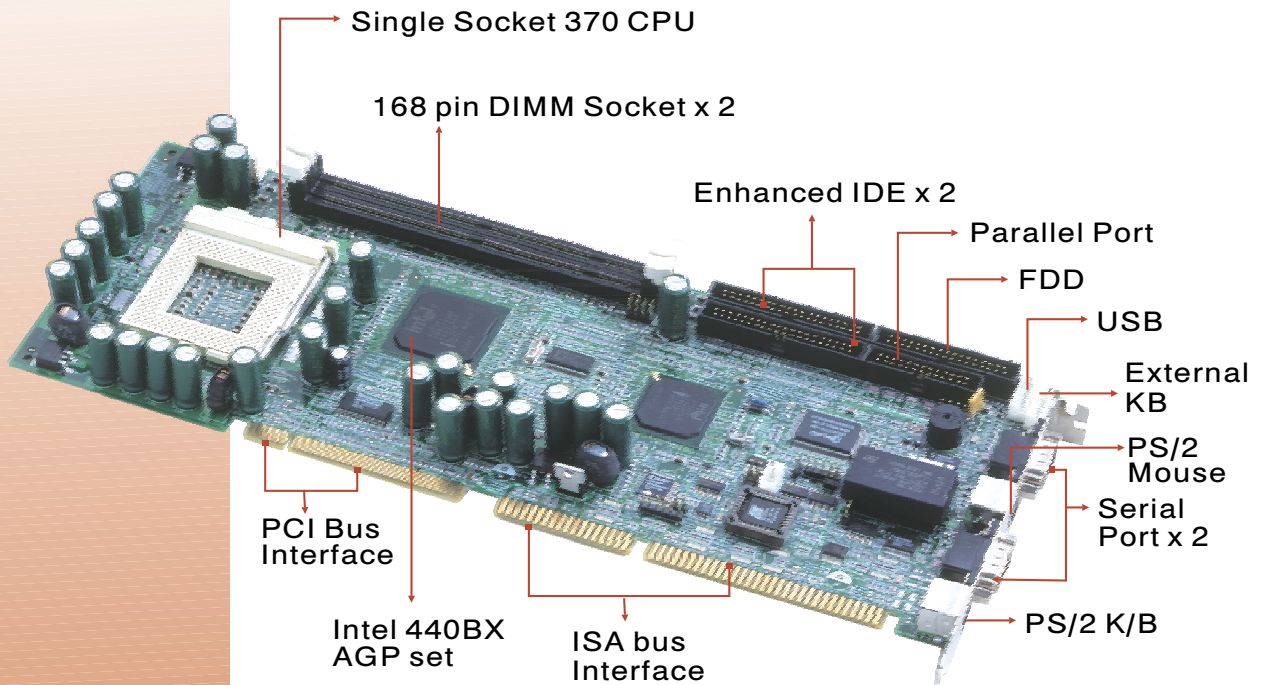


PEAK 637

Full-size good pricing 66 / 100 MHz
FSB Socket 370 CPU Card



Features

- ◆ Full size SBC with PCI/ISA Gold finger
- ◆ Intel Socket 370 Celeron/Pentium III with 66/100MHz FSB
- ◆ Support CPU with 128/256 cache on die up to 600MHz for Celeron and up to 800MHz for Pentium III
- ◆ Support SDRAM up to 512MB
- ◆ Good pricing while also equip with powerful features
- ◆ PICMG 1.0 (Rev.2.0) compliant



<http://www.nexcom.com>



ISO 9001
Certified Firm

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PEAK 637

Specifications

System Architecture

- Full size SBC with PCI/ISA Gold finger
- Intel Brand New Socket 370 Celeron/Pentium III with 66/100MHz FSB
- PCI V2.1 compliant
- PICMG 1.0 (Rev.2.0) compliant

CPU Support

- Support 66 / 100MHz type Celeron or Pentium III CPU up to 850MHz
- Supports streaming SIMD instruction

Main Memory

- Support SDRAM up to 512MB (Max.)
- 168 pin DIMM socket x 2

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

On Board I/O

- Winbond 83977 Super I/O ON BOARD
- IDE - Enhanced IDE mode 4, UltraDMA33, Two 40-pin connectors on the board
- FDD- Supports 2 FDD, One 34- pin connector on the board
- Serial Port - Two serial ports
- COM1/COM 2 = 9-pin D-sub connector at the I/O bracket
- Parallel Port - Bi-directional SPP/EPP/ECP support, One 26-pin connector on board

- Keyboard- One PS/2-type connector
- Mouse - One PS/2-type connector
- USB - Supports 2 USB channels
- On Board buzzer x 1
- External Keyboard 5 pin connector x 1
- 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
- On board 2 pin header for I²C (Smbus)

On Board RTC

- High precision real time clock/calendar with battery back up

Watchdog Timer

- 1, 2, 4 ...64 seconds time-out intervals

Dimensions

- 338mm(L) x 122mm(W)

Power Requirements

- +5V : 10A (Max.)
- +12V : 500mA (Max.)
- -12V : 50mA (Max.)

Environments

- Operating temperatures : -10 °C to 60°C
- Storage temperatures : -40 °C to 80 °C
- Relative humidity : 5% to 95%RH (Non-condensing)

Certification

- CE approval
- FCC Class A

Models Available

PEAK 637

- Full-size 32bit PCI 66/100 MHz FSB Socket 370 CPU Card