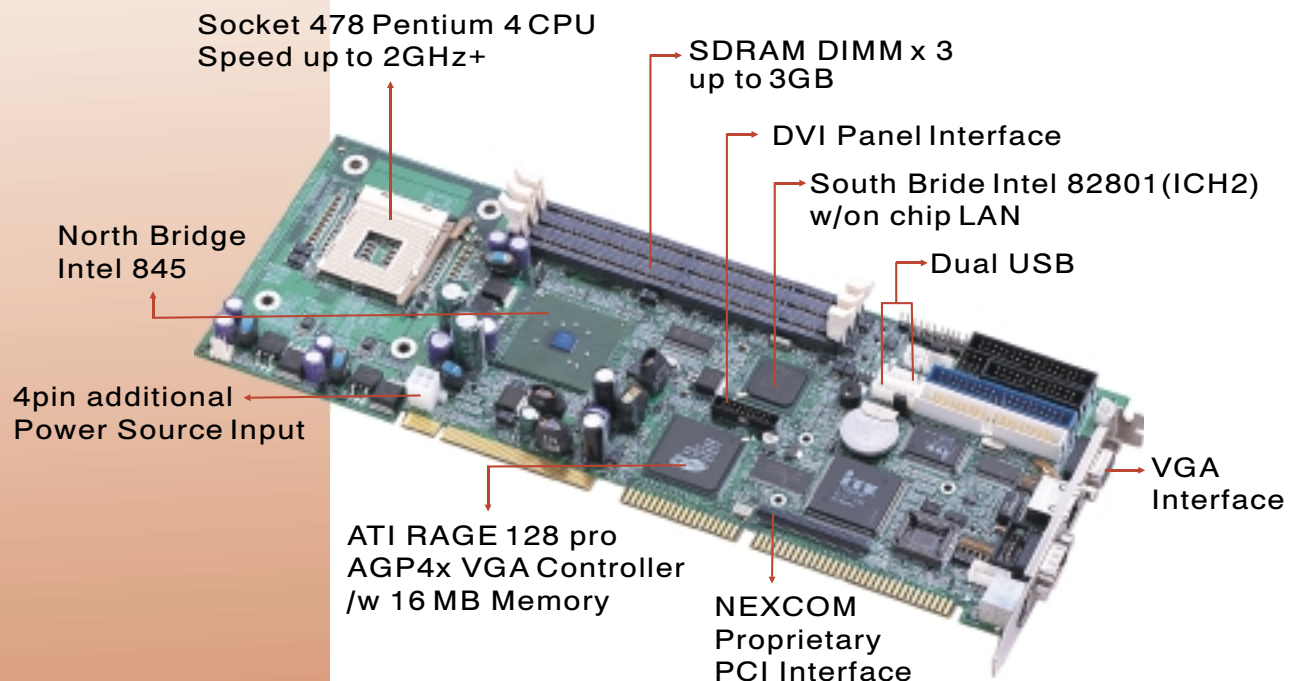


PEAK 710VL

Full-size Socket 478 Pentium 4 32bit/33MHz CPU Card w/VGA/LAN



Features

- ◆ Intel Socket 478 Pentium 4 CPU with 400MHz System Bus up to 2GHz+
- ◆ Max. 3GB MEMORY, 168-pin SDRAM DIMM x 3
- ◆ Intel 845 Chipset
- ◆ ATI Rage 128 Pro AGP 4X (1.5V) VGA controller with 16MB on die memory
- ◆ Intel ICH2 embedded MAC with Intel 82562EM(PLC) PHY 10/100 Ethernet controller



<http://www.nexcom.com>



ISO 9001
Certified Firm

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PEAK 710VL

Specifications

System Architecture

- Full size SBC with 32bit/33MHz PCI/ISA Golden finger
- Intel Socket 478 Pentium 4 with 400MHz System Bus
- PCI V 2.0 compliant
- PICMG 1.0 (Rev. 2.0) compliant

CPU Support

- Intel Pentium 4 CPU with 256K cache on die, CPU running at 400MHz system bus up to 2GHz+
- Support streaming SIMD instruction

Main Memory

- Support SDRAM up to 3GB (Max.)
- 168-pin DIMM x3
- ECC support
- No Registered DIMM Support

BIOS

- Award System BIOS
- Plug & Play support
- Advanced Power Management support
- Advanced configuration & Power Interface support
- 4M bits flash ROM

Chip Set

- Intel 845 (MCH) Chipset
- PCI V2.2 compliant

On Board VGA

- ATI Rage 128 Pro (Ultra4XL) with 16MB memory on Board; 1.5V AGP 4X interface
- Fully PC98 and PC99 Compliant

On Board LAN

- Intel ICH2 embedded MAC with Intel 82562EM (PLC) PHY 10/100 Ethernet controller
- 10/100 base T/TX x 1 support, full duplex
- Compliant with PCI V2.2, IEEE 802.3X
- Drivers support: DOS/Windows, Windows 95/98/2000, Windows NT, Netware, SCO Open Server 5.0, Linux
- RJ45 connector x 1
- Support Remote Monitoring (Alerting on LAN)

On Board I/O

- ITE 8712F-A Server I/O
- SIO x 2, with 2 x 16C550 UARTs, 10 pin header x 1, D-Sub 9 pin 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 33/66/100 support, 40 pin connector x 2
- 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) x 1
- On board 5 pin header for IrDA 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 4 pin Additional Power Source Input

On Board NEXCOM proprietary PCI interface

- Reserved 32 bit PCI interface for NEXCOM EBK Module

On Board Solid State Disk Socket

- Power header beside IDE connector to support DOM

On Board RTC

- High precision real time clock/calendar

System Monitor

Driver from SuperIO ITE 8712F-A to system monitor controller
8 voltages (For +1.8V, +3.3V, +5V, -5V, +12V, -12V, Vcore and Vcc5V stand-By)
Fan speed (For CPU) x 1; Fan speed (For System) x 2
Temperatures x 3; (one for CPU, the others for system)

ISAMAX Support

- Maximize ISA signals to support ISA cards up to 20

Watchdog Timer

- 1~64 seconds time-out intervals

Dimensions

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

Power Requirements

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

Order Information

PEAK 710VL

- Full-size Socket 478 Pentium 4 32bit/33MHz CPU Card w/VGA/LAN

NEXCOM

The Digital Infrastructure

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