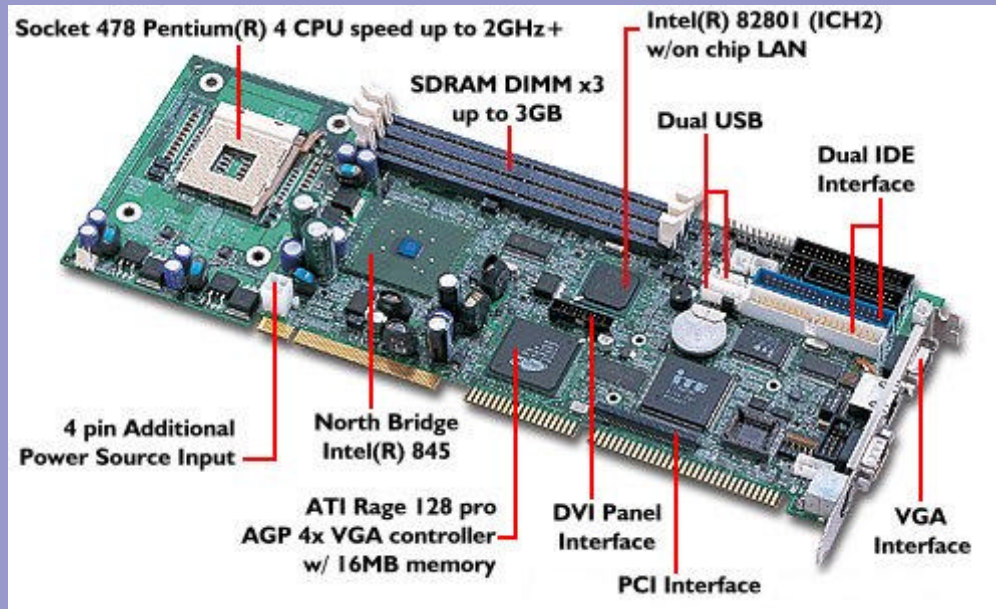


CAL-SBC-710VL



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

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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 x 3
- ◆ 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/TXx 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 x1
- ◆ 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 x1
- ◆ 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 DMA33/66/100 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 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 proprietary PCI interface

- ◆ 32 bit PCI interface for 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 Vcc5Vstand-By
- ◆ Fan Speed (For CPU) x1; Fan speed (For System) x2
- ◆ Temperatures x3;(one for CPU, the others for the 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

