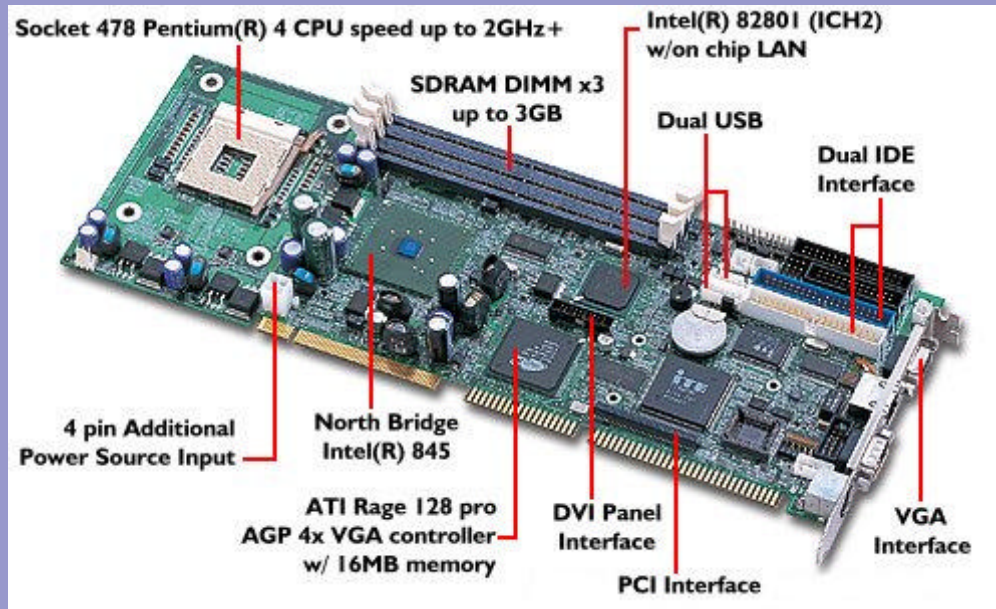# CAL-SBC-710VL

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

CAL-SBC-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 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 95/98/2000Windows 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, Utra 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: 0ºC to 60ºC
♦ Storage temperatures: -20ºC to 80ºC
♦ 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