

PSB-4710EV

Socket-478 Base CPU Card
with VGA/LAN/Audio/USB 2.0

FSB 533

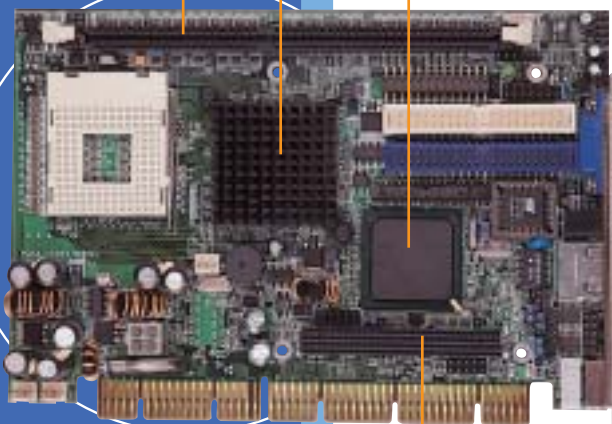
DDR 266

Supports Hyper-Threading Technology

DDR Memory Socket

Intel 845G+ICH4

CF II Support IBM Micro Drive
Compact Flash Memory Card



PC/104 Plus



PSB
PCI Single Board



CF type II
CF-512
(Ordered separately)

Benefits of USB Technology

A Universal System Bus is a PnP interface that consolidates the present serial port configuration on the back of the PC into a single port from which up to 127 peripheral devices can be daisy chain connected. With USB, a new device can be added to a computer without having to add an adapter card or even turn the computer off. USB supports joysticks, printers, monitors, and telephony. USB 2.0 supports up to 480MB/s for high speed devices. USB 2.0 is suitable for high performance devices such as high quality conferencing cameras, high resolution scanners and high density storage devices. In addition, USB 2.0 is fully backward compatible USB 1.0/1.1 software and peripherals, offering impressive and even better compatible to customers.

What is DVMT?

Dynamic Video Memory Technology (DVMT) is an enhancement of the UMA concept, wherein the optimum amount of memory is allocated for balanced graphics and system performance, through Direct AGP known as Non-Local Video Memory (NLVM), and a highly efficient memory utilization scheme. DVMT ensures the most efficient use of available memory - regardless of frame buffer or main memory sizing - for maximum 2D/3D Graphics performance. DVMT dynamically responds to system requirements and applications demands, by allocating the proper amount of display, texturing and buffer memory after the operating system has booted. For example, a 3D application when launched may require more vertex buffer memory to enhance the complexity of objects, or more texture memory to enhance the richness of the 3D environment. The operating system views the integrated graphics driver as an application, which uses Direct AGP to request allocation of additional memory for 3D applications, and returns the memory to the operating system when no longer required.

SPECIFICATIONS

ISA BUS™

USB 2.0



- **CPU:** Socket-478 base supports Intel® Pentium® 4/Celeron™ up to 2.5GHz
 - **System Chipset:** Intel® 845G chipset (with ICH4)
 - **System Memory:** 1x PC1600/PC2100 (200/266MHz) DDR SDRAM, maximum up to 1GB
 - **Display:** – Integrated in Intel® 845G chipset
– Bus: AGP 4X
– V-RAM: Shared with system memory (DVMT technology)
– Resolution: Up to 2048x1536@60MHz refresh rate (Analog)
– Connector: DB-15 for CRT monitor
 - **SSD:** 1x Compact Flash™ Type II socket onboard
 - **Ethernet:** Onboard 10/100Mbps Fast Ethernet controller (82562ET PHY)
 - **Audio:** AC'97 CODEC
 - **I/O:** – 2x ATA/100 IDE channels support CD-ROM, ZIP and LS-120 bootable
– 2x USB 2.0 ports by pin header
– 1x FDD channel supports 1.44/2.88MB and 3-mode
– 1x RS-232 series port by pin header
– 1x RS-232/422/485 selectable port with Auto-Direction function
– 1x LPT parallel port by pin header supports SPP/ECP/EPP mode
– 1x IrDA (SIR)
– 1x PS/2 connector for keyboard/mouse
 - **WDT :** Software programmable supports 1~255 seconds system reset
 - **PC/104 Plus :** For PCI device modules expansion
 - **Hardware monitoring :** Provides CPU Vcore, Vcc; CPU/System fan speed and temperature detecting function.
 - **Interface :** PCISA golden edge with PCI bus.
 - **ATX power control function :** Meets ACPI 1.1 specification
 - **Power Consumption :** +5V@3.6A; +12V@4.6A (Intel P4 2.4G with 512K L2; 512MB DDR SDRAM)
 - **Operating Temperature :** 0~60°C
 - **Relative Humidity :** 5~95%, non-condensing
- Note :** Only PCI Bus PCISA golden finger via connector due to the limitation of chipset.

ORDERING INFORMATION

- **PSB-4710EV** Socket 478 base SBC with onboard VGA, LAN, Audio and USB 2.0
- **CF-512** CPU cooling fan support P4 CPU up to 2.5GHz