ICPMB-7760

Embedded ATX MB, Socket 478 533MHz FSB with LCD/CRT VGA, GbE, Audio

The Best POS Platform Solutiom!!

DDR 333 up to 2GB, ECC support

WIM Socket™ for IPMI module
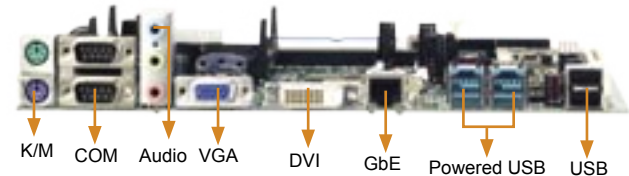
48-bit dual channel LVDS

PCI slot

Long Term Supports **Coming Soon**

ICPMB-7760 with IPMI firmware and hardware solutions provide system health monitoring for fan speed(1xCPU fan, 2xSystem fans), voltage and temperature, recovery capabilities, D I/O logging and alerting, identification of failed hardware and it can help IT managers efficiently manage ATM, POS, Automation for remote control.

WIM-HT68-01

K/M COM Audio VGA DVI GbE Powered USB USB

FSB 533 DDR 333 **Powered USB** **Dual Display** **Prescott Ready** **Gigabit Ethernet**

Feature

- Intel P4 Prescott 533Mhz and Pentium 4-M CPU support
- CRT/LCD integrated in i852GME, support LVDS/DVI interface for Dual display
- 2x DDR 266/333 support up to 2GB
- Support 1xPCI and IPMI Socket
- GbE, USB2.0, Multi-COM, Audio

● Specifications

CPU	Socket 478 for Intel Pentium 4/ Pentium 4-M/ Celeron with 400/533MHz FSB
System Chipset	Intel 852GME + ICH4
System Memory	2x DDR266/333 SDRAM DIMM support up to 2GB ECC support
Display	Display controller Intel GMCH Integrated Graphics controller Integrated AGP 4X 2D/3D engine One VGA port for CRT monitor 1600x1200@8bpp; 1280X1024@16bpp DF14-30F connertor for 48-bit LVDS I/F DVI-I port with Silicon Image Sil164 (Optional) Dual independent displays Shared system memory up to 32MB (DVMT)
Ethernet	Intel 82541ER for 10/100/1000Mbps Ethernet
I/O	2 x ATA-100 IDE port 1 x FDD port supports 1.44/2.88MB and 3-mode floppy drive 1 x LPT (Supports SPP/EPP/ECP mode) 2 x PS2 Keyboard/Mouse support 3 x RS-232 Serial port 1 x RS-232/422/485 selectable 6 x USB 2.0 port (4 by connector, 2 x power USB with 12VDC shared 2.5A) 1 x IrDA by pin header (SIR mode)
Audio	AC'97 codec
Digital I/O	4 inputs / 4 outputs
WDT	Software programmable support 1 ~ 255 sec system reset
Expansion slot	1x PCI slot 1x Em-ATX riser card connector 1x WIM IPMI Socket
Hardware Monitoring	CPU voltage / Temperature / FAN speed monitor
Power control function	Meets ACPI 1.1 specification
Operation Temperature	0 ~ 60 °C
Relative Humidity	5 ~95%, non-condensing

● Ordering Information

● **ICPMB-7760GN-R10**
Embedded ATX MB socket 478 Pentium 4/ Pentium 4-M/ Celeron with 400/533MHz FSB with LCD/CRT VGA, GbE, IPMI Socket, Audio

● IEI Option

● **WIM-HT68-01** Wellsyn IPMI module Hitachi H2168 BMC
● **CF-514** High performance Skiving Pentium® 4 CPU cooler
page **5-5**
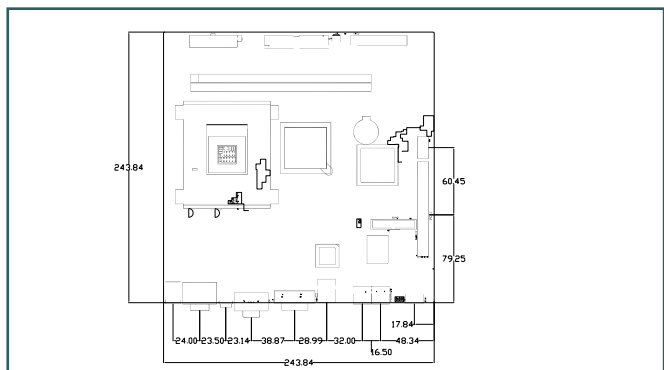
Tech Talk

What is Powered USB?

One of the limitations of USB is the amount of +5V current available to supply attached peripherals. Normally, 500mA is available at each host port and each powered external hub port. This amount of current is sufficient for most PC type peripherals like mice and keyboards. When the power requirements exceed the 500mA limitation, external peripherals require the use of an external power supply (brick) to supply the necessary power requirements. This limitation takes away from the true "plug-n-play" idea conceived for USB peripherals.

PoweredUSB provides a single cable connection that supplies both the standard USB communication signals and two additional wire pairs for extra power.

Powered USB in Industry

Powered USB is a natural fit for the retail POS (point-of-sale) peripheral market but we also believe that other industries could benefit from this connectivity technology. These industrial controllers almost always have a separate power supply. In the gaming industry, new, high end, joysticks with force feedback mechanisms. In the home, devices like CDROM.

● Dimensions