

IP-M845B

Socket 478 ATX Board for Pentium® 4 / P4-M / Celeron® Processor with VGA / LAN / 4COM

Key-point:

- > Socket 478 for Intel® Pentium® 4 / Celeron® processor, up to 3.06GHz
 - or socket 478 for Intel® Pentium® 4 Mobile processor, up to 2.4GHz
- > Intel® 845G chipsets, 400 / 533 MHz FSB, chipset integrated VGA function
- > Support 10 / 100 Base-TX Ethernet
- > 6 x USB2.0 ports, 4 x COM ports
- > 1 x AGP / 6 x PCI Slots
- > WatchDog timer & Hardware monitoring function



Specifications:

Processor:

- * Support socket 478 Intel® Pentium® 4 / Celeron® processor
- * Up to 3.06GHz

Core Logic:

- * Intel® 845G + ICH4 chipsets

BIOS:

- * Award BIOS

Front Side Bus Speed:

- * 400 / 533 MHz

Memory:

- * Two 184-pins DIMM, support 2GB DDR200 / 266 SDRAM (max.)

Onboard VGA Controller:

- * Intel® 845G chipset integrated VGA function
- * 15-pins D-Sub VGA connector

LAN Controller:

- * Intel® 82562ET LAN controller, for 10 / 100 Base-TX Ethernet

Onboard IDE:

- * Two EIDE channels for PIO mode, DMA mode
- * Support four ATA-100 / 66 / 33 IDE devices

Multi I/O:

- Onboard Winbond® W83627HF chip, Support:
- * 1 x IrDA by 5-pins pin-header,
 - * 1 x Floppy port by pin-header, and one 26-pins foil cable connector for slim Floppy disk drive
 - * 1 x SPP / EPP / ECP parallel port
 - * COM1 / 2 for RS-232 (COM2 by pin-header)
 - * COM3 / 4 for RS-232 or RS-422 / 485 (jumper selectable)

Keyboard / Mouse Connector:

- * Staked connector for PS/2 type keyboard / mouse
- * 1 x 6-pins connector for external keyboard / mouse

USB:

- * Support 6 x USB2.0 ports, two USB ports on rear panel
- * 4 x USB ports by pin-header, optional USB cable with bracket

WatchDog Timer:

- * 256 Levels software programmable

Hardware Monitoring:

- * Winbond® W83627HF chip, monitoring for CPU and system temperature, voltage and fan speed

Extension slot:

- * 1 x AGP4X slot
- * 6 x PCI slots

Environments:

- * Operation temperature: 0°C to 60°C (32° F to 140° F)
- * Storage temperature: -20°C to 80°C (-68° F to 176° F)
- * Relative humidity: 10% to 90% (Non-Condensing)

Certification:

- * CE, FCC pre-scan approval

Others features

- * 4 x fan connectors

Form Factor:

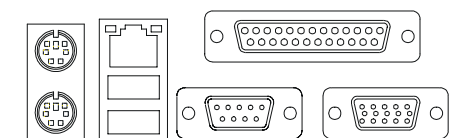
- * ATX form factor 12" x 8.7" (305mm x 220mm)

*Specification is subject to change without prior notice

Ordering Information:

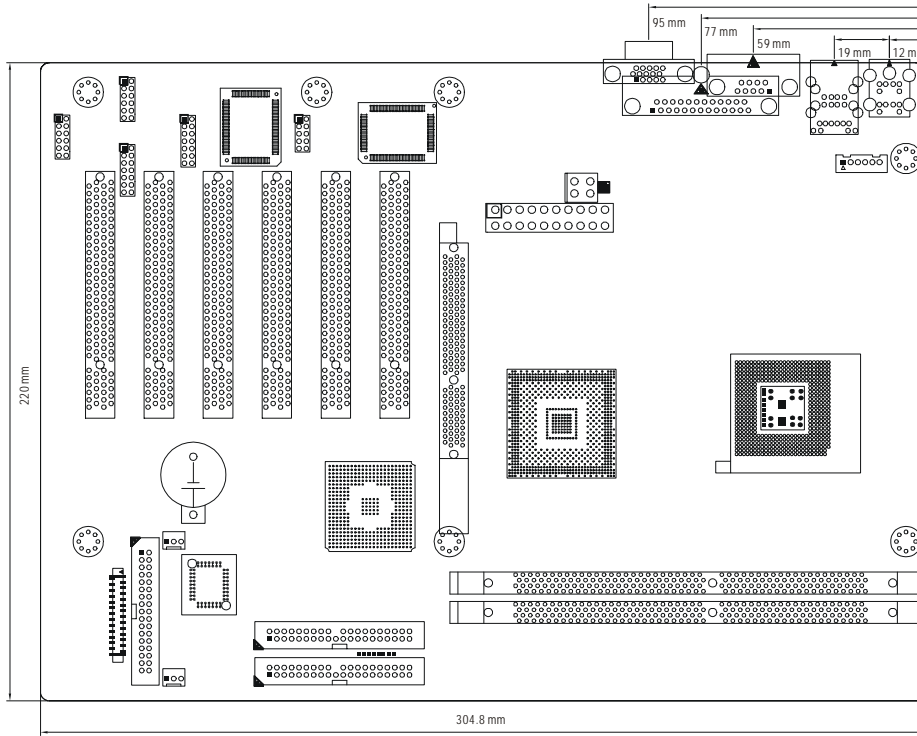
Model No.	Position	Support LCD	Support VGA	Support LAN	Support Audio	Support AGP/PCI /ISA
IP-M845B	Standard Product	---	Yes	Yes	---	1 / 6 / 0
M845B/VE+	Standard Product	---	Yes	Yes	---	1(for ADD Card) / 6 / 0

I/O Shield Layout



IP-M845B

Mechanical Drawing:



Block Diagram:

