M845B/VE+

Socket 478 ATX Board
for Pentium® 4 / Celeron™ Processor with VGA / LAN

Key-point:

> Socket 478 for Intel® Pentium® 4 / Celeron™ Processor, up to 3.06GHz

> Intel® 845GV Chipsets, 400 / 533 MHz FSB

> Chipset integrated VGA function

> Intel® 82562EM Ethernet, Support 10/100 Base-TX Ethernet

> 6 x USB 2.0 ports / 4 x COM ports

> 1 x AGP / 6 x PCI Slots

> WatchDog Timer & Hardware monitoring function

Specifications:

◎ **Processor:**
  ∗ Support Intel® Socket 478 Pentium® 4 / Celeron™ Processor
  ∗ Up to 3.06GHz

◎ **Core Logic:**
  ∗ Intel® 845GV + ICH4 chipsets

◎ **BIOS:**
  ∗ Award BIOS

◎ **Front Side Bus Speed:**
  ∗ 400 / 533 MHz

◎ **Memory:**
  ∗ Two 184-pins DIMM support 2GB DDR SDRAM (max.)

◎ **Onboard VGA Controller:**
  ∗ Intel® 845GV chipset integrated VGA function,
  ∗ AGP slot only support ADD card

◎ **LAN Controller:**
  ∗ Intel® 82562EM, for 10/100 Base-TX Ethernet, support Wake-On-LAN

◎ **Onboard IDE:**
  ∗ Two EIDE channels for PIO Mode, DMA Mode
  ∗ Supports four ATA 100/66/33 IDE devices

◎ **Multi I/O:**
  Onboard Winbond® W83627HF chip, Support:
  ∗ 1 x IrDA by 5-pin pin-header,
  ∗ 1 x Floppy Interface, and one 26-pins foil cable connector for slim Floppy disk drive
  ∗ 1 x SPP / EPP / ECP parallel port
  ∗ COM1/2: RS-232
  ∗ COM3/4: 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 USB 2.0 ports
  ∗ 4 x USB ports by pin-headers, 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 AGP slot for ADD card
  ∗ 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 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 Audio	Support LAN	Support AGP/PCI /ISA
M845B/VE+	Standard Product	---	Yes	---	Yes	1(ADD) / 6 / 0

I/O Shield Layout