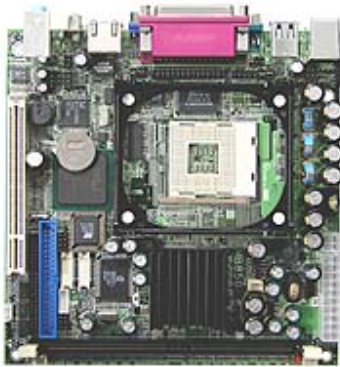


MB850

Intel® 845 chipset with Pentium® 4 processor-based 845GV Mini ITX Motherboard



[\(Click to enlarge\)](#)
[Datasheet in PDF](#)



FEATURES

- Mini ITX (170mm X 170mm)
- Intel® Pentium® 4 processor, 1.7GHz~3.06GHz
- Intel® 82845GV built-in VGA, AGP 4X, support CRT
- Optional Chronitel CH7017 LVDS supports LCD panel or TV Out
- Realtek 8100BL 10/100Mb LAN controller
- One DDR socket supports up to 1GB Memory
- Digital I/O (4 in/4 out), one PCI slot, AC97, four USB ports, four COM ports

MB850 SPECIFICATIONS

CPU Socket

Socket 478

CPU

Intel® Pentium® 4 processor, 1.7GHz~3.06GHz+
Hyper-Threading supported

Chipset

Intel® 845GV chipset

Processor Side Bus Frequency

533MHz/400MHz

L2 Cache

128K/256K/512K, CPU integrated

BIOS

Award BIOS, ACPI supported

System Memory

One DDR slots

Support up to 1GB PC200/266/333 DDR SDRAM

VGA

Intel® 845GV chipset integrated, AGP 4X

LAN

Realtek 8100BL LAN Controller (10/100Mb)

Audio

ICH4 integrated audio with AC97 Codec

ALC 650 6-Channel

LPC I/O

Winbond 83627HF supports IrDA x 1, Parallel x 1,
COM1, COM2 (RS232), FDC up to 2.88MB
(3 Mode support), hardware monitoring

Secondary I/O

Fintek F81216D supports COM3, COM4 (RS232)

IDE Interface

Built in ICH4

IDE1: 40-pin box header (Ultra DMA 33/66/100)

IDE2: 44-pin header

FDD Interface

Supports up to two floppy disk drives: 3.5" and/or 5.25" drives; 3
Mode support (Remarks: Only MB850F has the FDD interface)

Parallel Port

One parallel port supports SPP/EPP/ECP

Serial Ports

RS-232 x4

Watchdog Timer

Generates system reset; 256 levels

Hardware Monitoring

Built in Winbond W83627HF; monitors system/CPU temperature
and voltage status

USB

USB 2.0 compliant

Supports 4 USB ports

IrDA

Pin header

Keyboard and Mouse Connector

PS/2 type keyboard and mouse connectors

Digital I/O

4 in / 4 out

Expansion Slots

1 PCI, support 2 bus master

Power Connector

ATX 12V power connector

Form Factor

Mini ITX motherboard

Dimensions

170mm x 170mm

Power Consumption

Power Consumption

Intel® Pentium® 4 processor 2.4GHz (256KB) with 256MB DDR
memory

+5V: 3.29A; +12V: 4.83A

Intel® Pentium® 4 processor 3.06GHz (512KB) with 512MB DDR
memory

+5V: 3.17A; +12V: 7.14A

Operating Temperature

0°C~60°C (32°F~140°F)

Storage Temperature

-20°C~80°C (-68°F~176°F)

Relative Humidity

10%~90% (non-condensing)