

MB840

Intel® Pentium® 4 processor-based 845GE/GV Micro ATX Industrial Motherboard



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[Datasheet in PDF](#)



FEATURES

- Socket 478 supports HT Pentium4 up to 3.06GHz
- Intel® 845GE/GV chipset, 533MHz and 400MHz FSB
- Micro ATX form factor
- Two DDR slots support up to 2GB PC200/266/333 DDR SDRAM
- 3 PCI slots
- Watchdog timer, 4 USB ports, USB 2.0 support

Parallel Port

One parallel port supports SPP/EPP/ECP

Serial Ports

RS-232 x2

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

Expansion Slots

3 PCI (AGP slot not available on 845GV chipset)

Power Connector

ATX 12V power connector

Form Factor

Micro ATX motherboard

Dimensions

244mm x 244mm (9.5" x 9.5")

Power Consumption

Intel® Pentium® 4 processor 2.4GHz (512KB, 0.13u) w/ 256MB

DDR Memory

+5V: 0.69A; +12V: 4.95A

2.2 GHz Intel® Celeron® processor (128KB, 0.13u) w/ 256MB

DDR Memory

+5V: 0.61A; +12V: 5.15A

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)

MB840 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 (133MHz x4)/400MHz (100MHz x4)

L2 Cache

128K/256K/512K, CPU integrated

BIOS

Award BIOS, ACPI supported

System Memory

Two DDR slots

Support up to 2GB 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 ALC650

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

IDE Interface

Built in ICH4; Two enhanced IDE supports 4 IDE devices
including UDMA33/66/100, PIO mode 4 and bus master

FDD Interface

Supports up to two floppy disk drives: 3.5" and/or 5.25"
drives; 3 Mode support

Ordering Information:

MB840 - Socket 478 Intel® 845GV Micro ATX Motherboard, PCI x3

Remarks: Add **(-R)** after the model name for RoHS-compliant version when ordering.