

MB800

Pentium 4 Industrial Motherboard with 533MHz FSB and USB 2.0 support



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MB800 SPECIFICATIONS

CPU Socket

Socket 478

CPU

Intel Pentium 4, 1.30GHz~3.06GHz+

Chipset

Intel 845G chipset

Processor Side Bus Frequency

533MHz (133MHz x4) / 400MHz (100MHz x4)

L2 Cache

256K/512K, CPU integrated

BIOS

Award BIOS, ACPI supported

System Memory

Two DDR slots

Support up to 2GB PC200/266 DDR SDRAM

VGA

Intel 845G chipset integrated

AGP 4X, Optionally supports LVDS, CRT & TV-out interface

Primary LAN

ICH4 integrated Ethernet, 10Base-T / 100Base-TX

Secondary LAN

Intel 82540EM (10/100/1000Mb) Gigabit LAN or

Intel 82551QM (10/100Mb)

Audio

ICH4 integrated audio with AC97 Codec

LPC I/O

Winbond 83627HF supports IrDA x 1, Parallel x 1, COM1

(RS232), COM2 (RS232/422/485), 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

Parallel Port

One parallel port supports SPP/EPP/ECP

Serial Ports

One RS-232/422/485 and three RS-232 ports COM3 and COM4 supported by Winbond 83877

Watchdog Timer

Generates system reset; 256 levels

Solid State Disk Interface

Supports 2MB~288MB M-Systems DiskOnChip flash disk

Hardware Monitoring

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

USB

USB 1.1 and 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 AGP, 3 PCI, 3 ISA, 1 MicroPCI

PCI to ISA Bridge

Winbond 83628, Winbond 83629

Power Connector

ATX 12V power connector

Form Factor

ATX motherboard

Dimensions

305mm x 244mm (12" x 9.6")

Power Consumption

Pentium 4 1.8GHz with 512MB DDR memory

+5V: 5.7A; +12V: 8.5A

Pentium 4 2.2GHz with 512MB DDR memory

+5V: 6.35.7A; +12V: 6.2A

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)

Ordering Information:

MB800F - Socket 478 Intel 845G ATX Motherboard with VGA, integrated LAN and Gigabit LAN

MB800 - Socket 478 Intel 845G ATX Motherboard with VGA and integrated LAN

[MB800 Board Dimensions](#)

[MB800 I/O Connector Dimensions](#)

[MB800 Users Guide](#)