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[Datasheet in PDF](#)

MB930 SPECIFICATIONS

CPU Socket

LGA775

CPU

Intel® Core™2 Duo, Intel®Core™2 Quad, Intel® Celeron® 400 Sequence processor

Up to 3.8GHz

CPU Front Side Bus (FSB)

800MHz / 1066MHz / 1333MHz

Chipset

Intel® Q35 Chipset

ICH9 (ICH9R for MB930RF-R)

BIOS

Award BIOS, ACPI supported

System Memory

Four DDR2 sockets, up to 8GB DDR SDRAM
667/800MHz DDRII SDRAM, w/o ECC



MB930 FEATURES

- Supports Intel® Core™2 Quad / Core™2 Duo / Celeron® 400 Sequence processors (Conroe-L)
- Up to 3.8GHz, 800MHz/1066MHz/1333MHz
- DDR2 DIMM x4, Max. 8GB
- Single 10/100 LAN or dual PCI-E Gigabit LAN
- Integrated Q35 VGA for CRT
- 4 or 6 x SATA II (RAID option), 8 USB 2.0, 4 x COM, Watchdog timer
- 1 x PCI-E(x16), 1 x PCI-E(x1), 4 PCI, 1 x ISA (slave)

USB

8 USB 2.0 ports (4 on board, 4 via pin header)

IrDA

Pin header

Digital I/O

4 in / 4 out

Watchdog Timer

Generates system reset; 256 levels

Hardware Monitoring

Monitors system/CPU temperature and voltage status

Expansion Slots

1 x PCI Express x16, 1 x PCI Express x1, 4 x PCI, 1 x ISA (slave only)

Edge Connectors

PS/2 keyboard and mouse

VGA CRT

RJ-45

Audio jacks

Integrated VGA

Q35 chipset built-in
Supports CRT interface
Shared memory, max. 384MB

LAN

Intel 82562V 10/100 BaseT (MB930-R)
Intel 82566DM Gigabit LAN and Marvel PCI-E Gigabit LAN (for MB930F/GF/RF-R)
RJ-45 on board

Audio

ICH9/ICH9R built-in audio + AC97 codec
(Line out, Line, Mic jacks on board)

LPC I/O

W83627EHG chipset supports IrDA x 1, Parallel x 1, COM1 (RS232), COM2 (RS232/422/485), FDC up to 1.44MB (slim-type), Hardware Monitor

Secondary I/O

Fintek F81216; for COM3 / COM 4 (RS232)

Serial ATA Interface

4x SATA II ports, 3Gb/s
RAID and 6x ports available with MB930RF-R

PATA Interface

JMicro JMB368 PCI-E to PATA controller for one PATA channel supporting (40-pin IDE) 2 IDE devices featuring UDMA33/66/100, and **CompactFlash socket** on IDE1 (use either one at one time)

Serial Ports

One RS-232/422/485 and three RS-232 ports

4 USB ports
Serial Port (COM1)

Power Connector

ATX, 24-pin

Form Factor

ATX

Dimensions

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

Power Consumption

TBC

Environmental Factors:

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:

MB930-R - LGA775 Intel® Q35 ATX Motherboard w/ ICH9, VGA, 10/100 LAN, 4x SATA

MB930F-R - LGA775 Intel® Q35 ATX Motherboard w/ ICH9, VGA, dual Gigabit LAN, 4x SATA

MB930GF-R - LGA775 Intel® Q35 ATX Motherboard w/ ICH9, VGA, dual Gigabit LAN, 4x SATA (2.4mm PCB thickness, dark green)

MB930RF-R - LGA775 Intel® Q35 ATX Motherboard w/ ICH9, VGA, dual Gigabit LAN, 6x SATA, RAID