

HP and Compaq Desktop PCs - Motherboard Specifications, MS-7174 (Gypsum)

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Motherboard specifications table

Part / Feature	Specification / Support
Motherboard description	<ul style="list-style-type: none">• Motherboard manufacturer's name: MSI MS-7174• HP/Compaq name: Gypsum-GL8E
CPU/Processor	<ul style="list-style-type: none">• Socket: 775• Supports Pentium 4 Prescott (up to 519) and Celeron D (all) processors
System bus	<ul style="list-style-type: none">• 533 MHz only



Part / Feature	Specification / Support
Chipset	<ul style="list-style-type: none"> • Northbridge: Intel i910E • Southbridge: Intel I/O Controller Hub 6
BIOS features	<ul style="list-style-type: none"> • The mainboard BIOS provides “Plug & Play” BIOS which detects the peripheral devices and expansion cards of the board automatically • The mainboard provides a Desktop Management Interface (DMI) function which records your mainboard specifications
Form factor	<ul style="list-style-type: none"> • Micro-ATX: 9.6 in X 9.6 in
Memory	<ul style="list-style-type: none"> • Two 240-pin DDR2 DIMM sockets • Non ECC memory only • Supports PC2 3200 (400 MHz) and PC2 4200 (533 MHz) DDR2 DIMMs • Supports 1.8v DDR2 SDRAM • Maximum HP/Compaq approved memory is 2 GB
Expansion slots	<ul style="list-style-type: none"> • One PCI Express x16 graphics • Three PCI
Video graphics	<ul style="list-style-type: none"> • Integrated
Serial ATA	<ul style="list-style-type: none"> • 2 SATA connectors • Each connector supports 1 serial ATA-150 disk drive



Part / Feature	Specification / Support
Onboard audio	Integrated Intel High Definition (TM) audio (Azalia) <ul style="list-style-type: none">• Realtek ALC 880 CODEC• THX certification support• 8-channels for Full Dolby 5.1/6.1/7.1 surround sound support with Dolby Pro Logic IIx
Onboard LAN	<ul style="list-style-type: none">• Intel 82562GT• 10/100 Mbps Fast Ethernet
Back panel I/O	<ul style="list-style-type: none">• One PS/2 mouse• One PS/2 keyboard• One VGA• One Parallel• One IEEE 1394• One RJ-45 networking port• Four USB 2.0• One S/PDIF in• One S/PDIF out• Six audio connectors: side speaker out, rear speaker out, center/subwoofer, line in, line out, and microphone

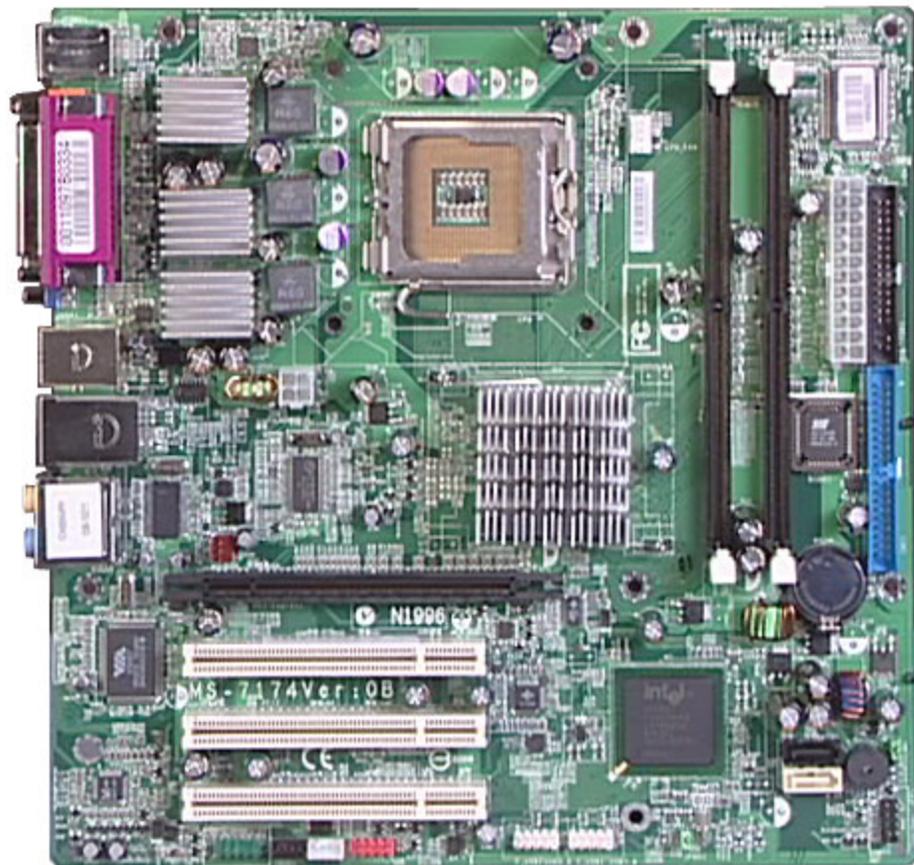
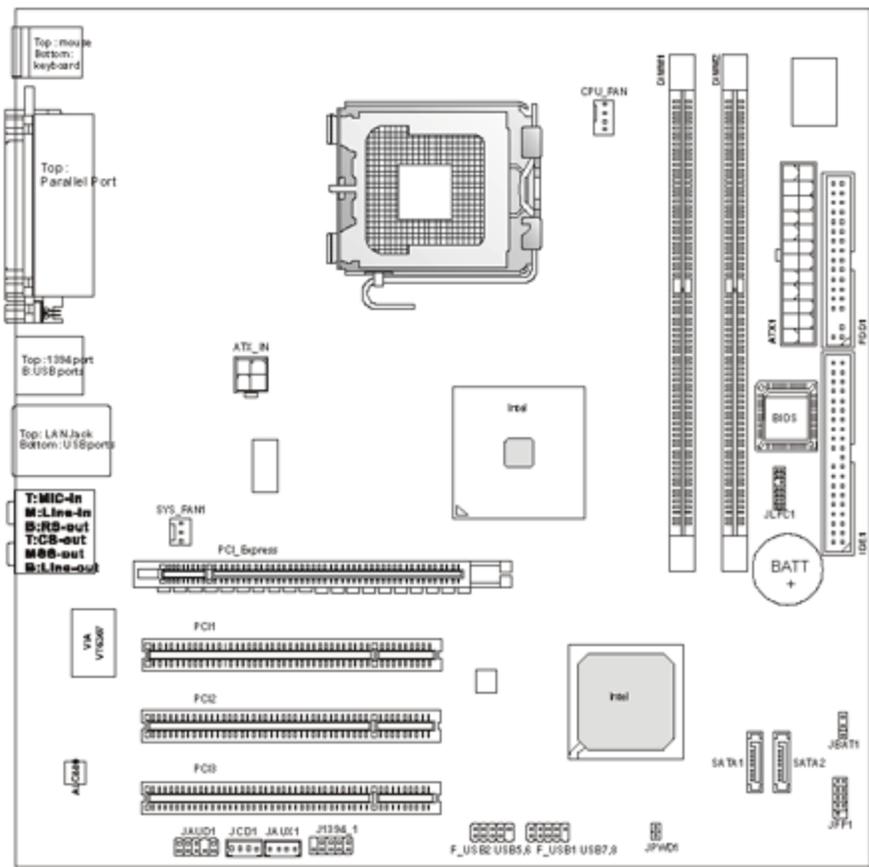


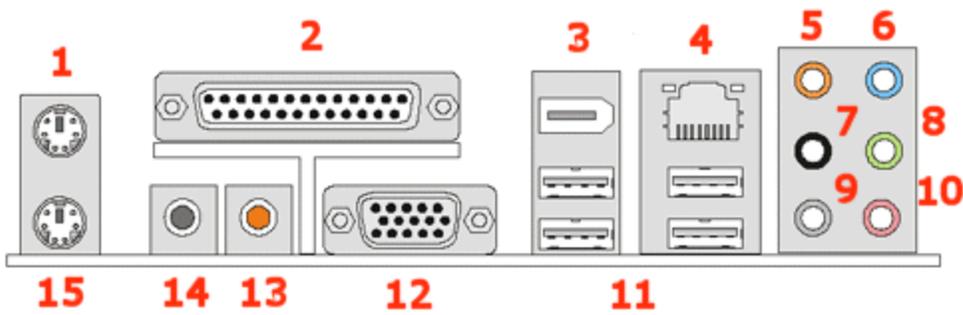
Part / Feature	Specification / Support
Internal connectors	<ul style="list-style-type: none">• One floppy port supports 1 FDD with 360K, 720K, 1.2M, 1.44M and 2.88Mbytes• One IDE connector• One 24-pin ATX power connector• One 4-pin ATX 12 V power connector• Two serial ATA ports• Two USB 2.0 headers supporting four additional USB 2.0 ports• One optical drive audio input• One auxiliary audio input• One front panel headphone and microphone connector• One IEEE1394a header• One CPU fan connector• One system (chassis) fan connector

NOTE: Motherboard specifications are subject to change without notice.

Motherboard layout and photos







1. Mouse
2. Parallel
3. Optional 1394 FireWire
4. Local Area Network
5. Line-In
6. Rear Speaker Out
7. Line-Out
8. Center Speaker Out
9. Microphone
10. Side Speakers Out
11. USB
12. VGA
13. SPDIF-Out
14. SPDIF-In
15. Keyboard

Clearing the CMOS settings

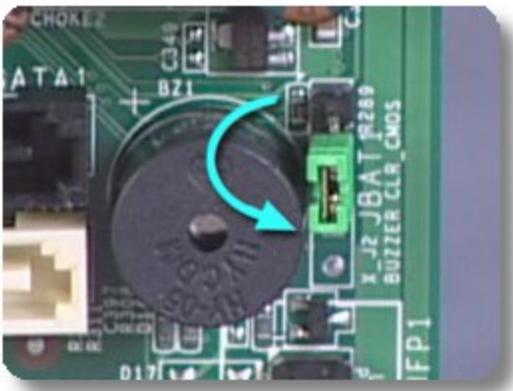
⚠ CAUTION: Do not change any jumper setting while the computer is on. Damage to the motherboard can result.

Clear RTC RAM (3-pin JBAT1)

There is a CMOS RAM on board that has a power supply from external battery to keep the system configuration data. With the CMOS RAM, the system can automatically boot OS every time it is turned on. If you want to clear the system configuration, use the JBAT1 (Clear CMOS Jumper) to clear data. Follow the instructions below to clear the data:

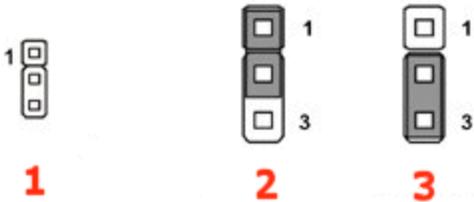
1. Turn **off** the PC and unplug the power cord.
2. Temporarily set the jumper labeled "JBAT1" to pins 2-3.





3. Wait at least 6 seconds and then return the jumper to pins 1-2
4. Plug the power cord and turn **on** the computer.
5. Hold down the F1 key during the startup process and enter BIOS setup to re-enter/reset any custom BIOS settings.

⚠ CAUTION: Avoid clearing the CMOS while the system is on; it will damage the motherboard.



1. JBAT1
2. Keep Data
3. Clear Data

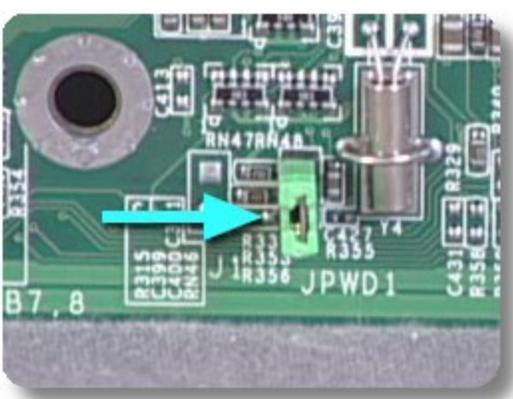
Clearing the password settings

⚠ CAUTION: Do not change any jumper setting while the system is running. Damage to the motherboard may result.

The BIOS password is used to protect BIOS settings from unwanted changes. If you have forgotten your password you may disable password checking. To erase the BIOS password follow these steps:

1. Turn **off** the PC and unplug the power cord.
2. Remove the jumper cap on jumper JPWD1.





3. Plug the power cord and turn **on** the PC.

4. Hold down the F1 key during the boot process and enter BIOS setup to re-enter/reset any custom BIOS settings.

