

## HP Consumer Support

# Motherboard Specifications, MS-6577 v3.1 (Neon)

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## Motherboard specifications table

Part/Feature	Specification/Support
Motherboard Description	<ul style="list-style-type: none"> <li>Motherboard manufacturer's name: MS-6577 v3.1</li> <li>Pavilion/Compaq name: Neon</li> </ul>
System BIOS supplier	Phoenix
Form factor	µatx 9.6 inches x 9.1 inches
Processor brand	Pentium4
Processor socket type	478
Processor family	Intel Celeron, Pentium 4 HT processor
Processor front side bus frequency	400/533 MHz
Maximum approved processor	2.80 GHz Celeron processor, 3.06 GHz Pentium 4-HT
Chipset name	Intel i845
Chipset "North Bridge"	Intel i845GE
Chipset "South Bridge"	Intel ICH4
Memory type	DDR
Memory speed	PC 2700
Memory sockets	2 DDR-DIMM
Maximum Memory	1.0 GB
Graphics	Intel Extreme Graphics with Direct AGP
Graphics configuration	Down
Onboard graphics memory	Up to 64 MB adjustable in BIOS
Graphics connector (AGP)	YES
TV-Out device	YES
Audio	Integrated AC97 Audio
Audio Jacks ( <a href="#">Legend below</a> )	M, LI, LO, Headphone connector
Ethernet 10/100 LAN supplier	RealTek RTL8101L

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Product (e.g. Deskjet D2680)

Question or keywords



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Ethernet configuration	integrated, Down
IE 1394 Front/Back Options	1F + 1B
IDE UDMA modes	2 x UDMA 100/66/33
Expansion slots (AGP/PCI/Exten)	One AGP, three PCI
USB ports	2F + 4B
Serial, parallel, floppy, PS2 keyboard and mouse	1S,1P,1F,PS2 K+M
Available manufacturing options ( <a href="#">Legend below</a> )	G,L,E,6

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#### Manufacturing options Legend

Legend	Meaning
8	8-Channel audio
A	Audio integrated on motherboard
C	External L2 cache on motherboard
E	1394 on motherboard
G	Graphics integrated on motherboard or in chipset
L	LAN on motherboard (Ethernet) P - PCMCIA slot
LI	Line In
LO	Line out
M	Microphone
M/G	Midi/Game
S	S3 power management support
S/O	Speaker
T	TV-out on motherboard
U	Graphics card (Non integrated on motherboard)
W	Microsoft Windows XP hardware

# Motherboard layout and photos

Figure 1: Layout

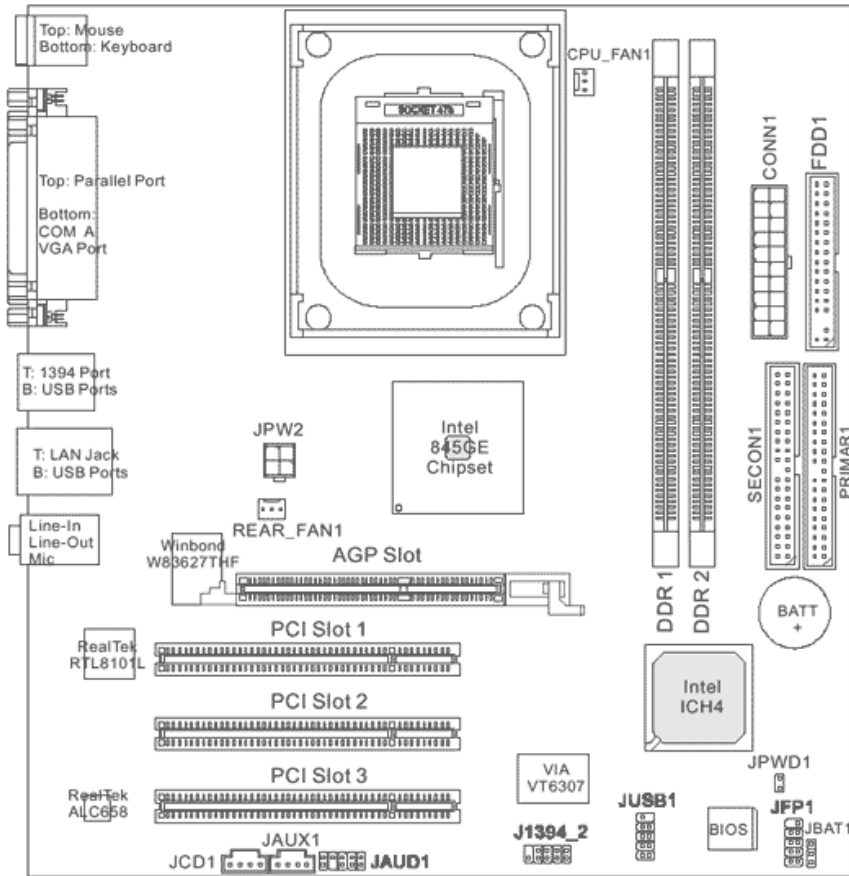
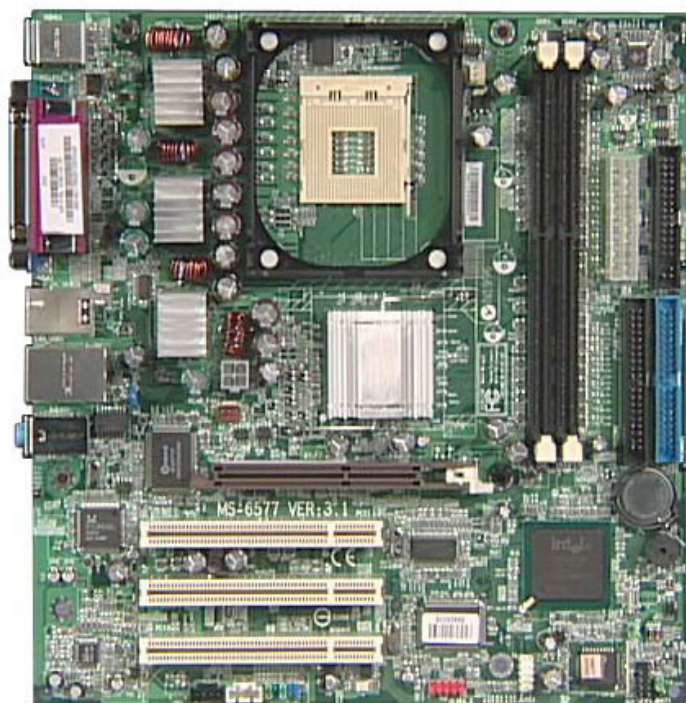
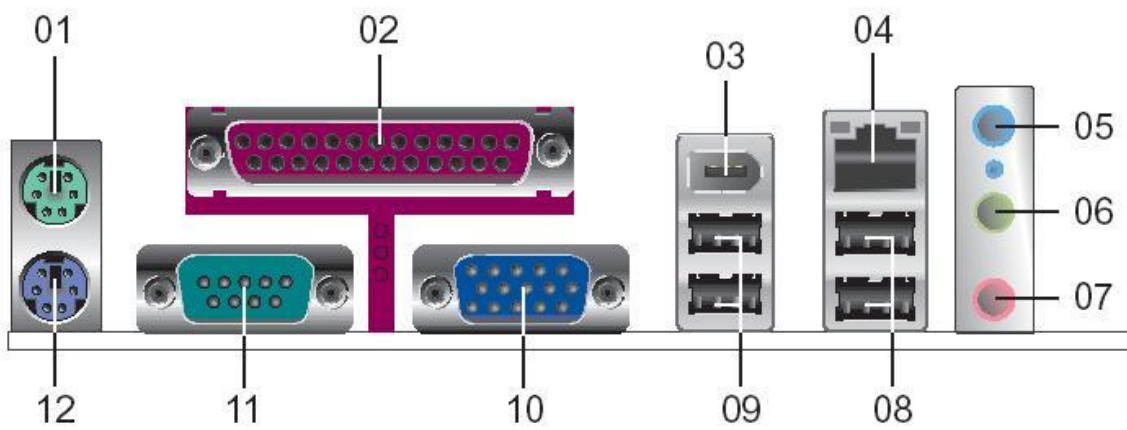


Figure 2: Photo



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Figure 3: View of back panel connectors



**1 - PS/2 mouse**

**2 - Parallel port**

**3 - IEEE 1394 connector**

**4 - RJ-45 connector**

**5 - Line in jack**

**6 - Line out jack**

**7 - Microphone jack**

**8 - USB 2.0 connectors**

**9 - USB 2.0 connectors**

**10 - VGA connector**

**11 - Serial connector**

**12 - PS/2 Keyboard**

## Clearing the CMOS settings

The Clear RTC RAM (3-pin JBAT1) jumper allows you to clear the Real Time Clock (RTC) in CMOS. It also allows clearing of date, time, and system setup parameter memories in CMOS, by erasing the RTC RAM data. The onboard button cell battery powers the RAM data in CMOS, including system setup information.

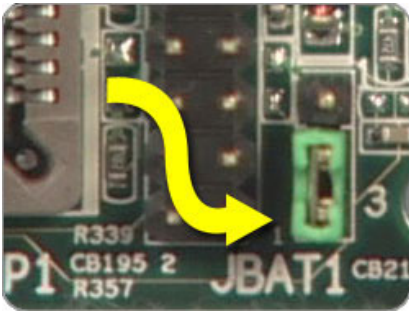
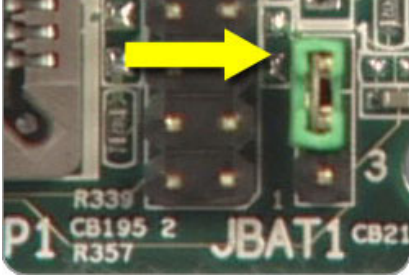
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**CAUTION:** Do not change any jumper setting while the computer is on. Damage to the motherboard can result.

1. Turn off the PC and unplug the power cord.
2. Move the JBAT1 jumper cap from pins 1-2 (Normal) to pins 2-3 (Clear CMOS).





3. Keep the JBAT1 jumper cap on pins 2-3 for 5-10 seconds, then move it back to pins 1-2.
4. Plug in the power cord and turn on the PC.
5. From startup press **F1** to enter **BIOS Setup** (or **Setup**) and change the settings.

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## Clearing the BIOS password

The BIOS password protects the BIOS from undesired changes. If password checking is enabled, and you need to enable it, use the following steps:

1. Turn off the PC and unplug the power cord.
2. Remove the JPWD1 jumper cap.
3. Press **F1** as the PC starts, to enter BIOS setup.
4. Clear or reset the BIOS password.
5. Save the BIOS settings and turn off the PC.
6. Reactivate BIOS password checking by replacing the JPWD1 jumper cap.

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