HP   Laptops & Tablets   Desktops   Printers   Ink & Toner   Displays & Accessories   Business Solutions   Support

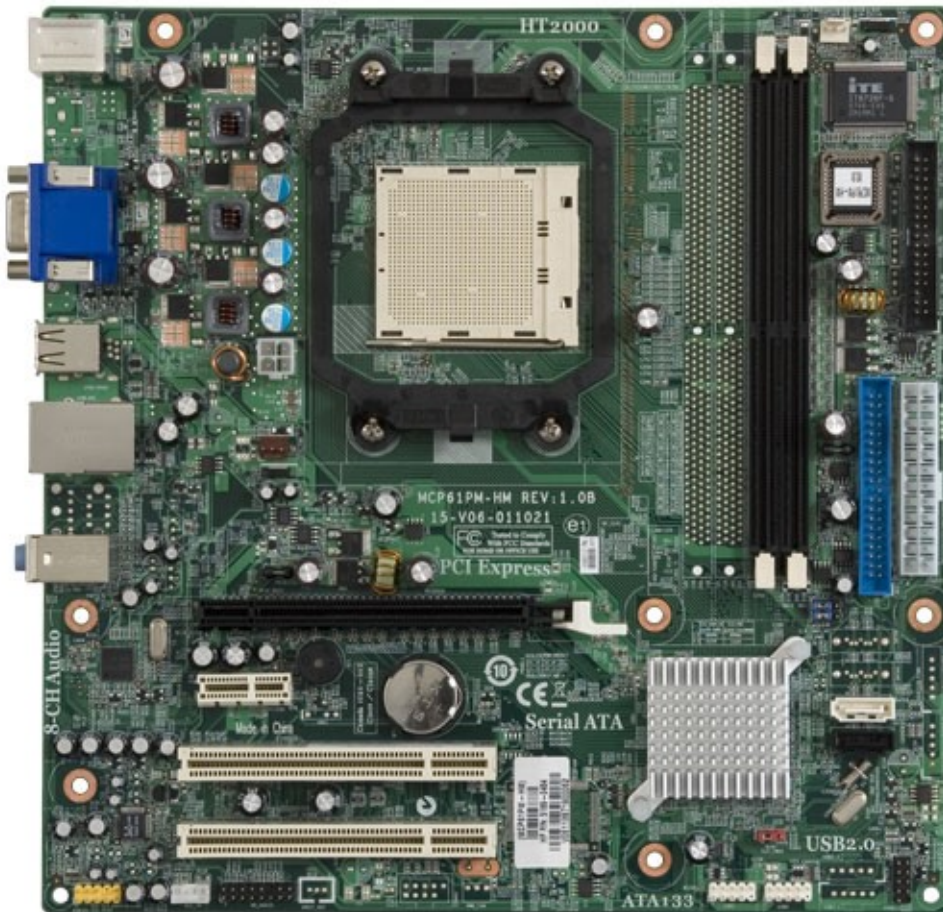# HP Customer Support

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HP and Compaq Desktop PCs - Motherboard Specifications, MCP61PM-HM (Iris8)

Figure 1: The MCP61PM-HM (Iris8) motherboard

Motherboard description   ▬

- Manufacturer's motherboard name: ECS MCP61PM-HM

- HP/Compaq name: Iris8-GL6

Form Factor   ▬

Country: 🇺🇸 United States

- Micro-ATX: 24.4 cm (9.6 inches) x 24.4 cm (9.6 inches)

Chipset [−]

- NVIDIA GeForce 6150SE nForce 430

Front-side bus speed [−]

- 2000MT/s (2.0 GT/s)

Processor upgrade information [−]

Socket type: AM2

Motherboard supports the following processor upgrades:

- Athlon 64 X2 with Dual Core technology up to 4800+ (up to 65 Watt TDP)

- Athlon 64 up to 3800+

- Sempron – All

Memory upgrade information [−]

- Dual channel memory architecture

- Two 240-pin DDR2 DIMM sockets

- Supported DIMM types:

    - PC2-4200 (533 MHz)

    - PC2-5300 (667 MHz)

    - PC2-6400 (800 MHz)

- Non-ECC memory only, unbuffered

- Supports 2GB DDR2 DIMMs

- Supports up to 4 GB*

    - 32 bit PCs cannot address a full 4.0 GB of memory.

Video

Integrated graphics using nVidia GeForce 6150SE

*Integrated video is not available if a graphics card is installed.

- Integrated graphics using nVidia GeForce 6150SE

- Up to 256MB (with 512MB or more system memory)

- Also supports PCI Express x16 graphics cards

Audio

Integrated Realtek ALC888 Audio

*Integrated audio is not available if a sound card is installed.

- Audio CODEC: ALC888

- 6 channel high-definition audio

Network

LAN: 10-Base-T

- Interface: Integrated into motherboard

- Technology: Realtek RTL8201N

- Data transfer speeds: up to 10/100Mb/s
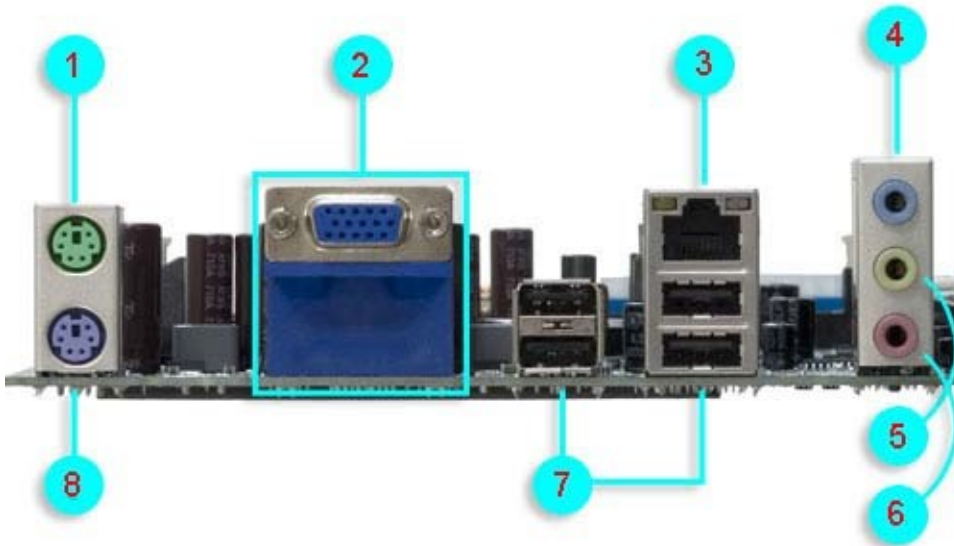
- Transmission standards:10-Base-T Ethernet

Expansion Slots

- One PCI Express x16

- One PCI Express x1

- Two PCI

I/O Ports

Back I/O ports

Figure 2: Back I/O panel

1. **PS/2 mouse (green)**
2. **Video Graphics Adapter**
3. **RJ-45 Network LAN**
4. **Audio: Line In (light blue)**
5. **Audio: Line Out (lime)**
6. **Audio: Microphone (pink)**
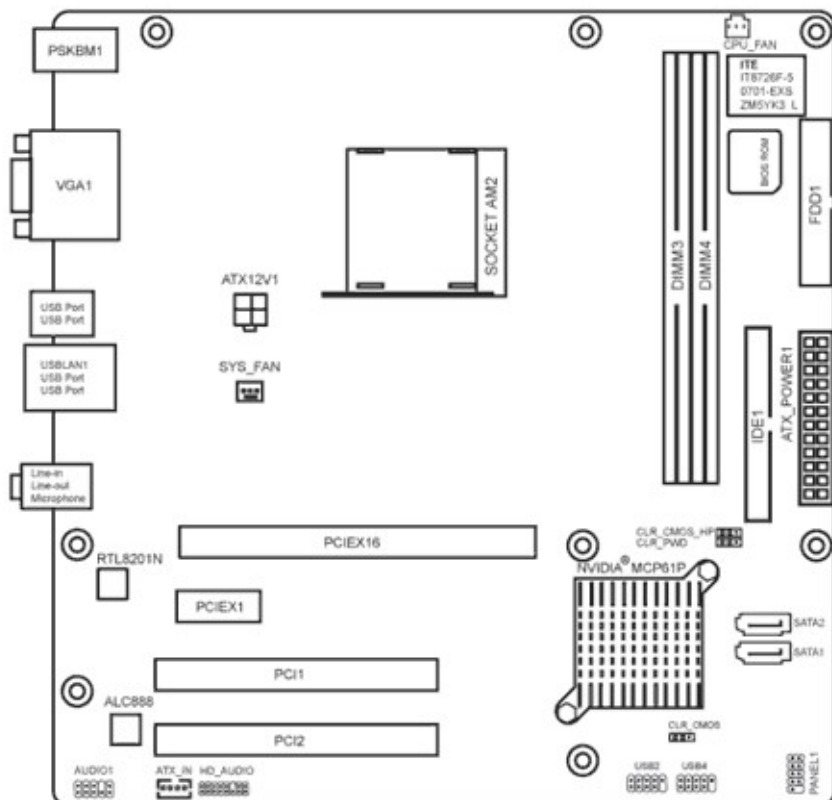7. **USB 2.0: 4**
8. **PS/2 keyboard (purple)**

Internal Connectors

- One 24-pin ATX power connector

- One 4-pin ATX power connector

- One PATA connector

- Two SATA connectors

- One floppy drive connector

- Two 12v fan connectors for CPU fan and PC fan

- One 9-pin header for power button, reset button, power LED, and HDD LED

- One line input connector (interrupts line input on back panel, Vista capable, requires matching front audio jack module)

- One 9-pin audio header for headphone-out and microphone-in (yellow, Vista capable, requires matching front audio jack module)

- Two USB headers supporting 4 additional USB 2.0 ports or devices

- One Intel high-definition Audio/Modem Link (Not used by HP)

- One jumper for resetting BIOS settings

- One jumper to disable BIOS password checking

Motherboard layout

Figure 3: layout

Clearing the BIOS settings

⚠ CAUTION:

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

This motherboard has jumpers to clear the Real Time Clock (RTC) RAM in CMOS.

Clearing CMOS

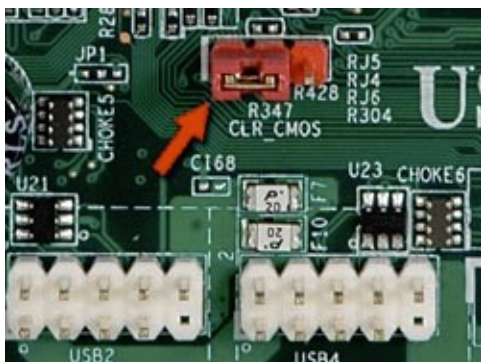To clear CMOS, follow these steps:

1. Temporarily set jumper CLR_CMOS_HP to pins 2-3.

2. Wait 5-10 seconds and then return the jumper to pins 1-2.

3. When you startup the PC you will need to enter BIOS setup to reset any custom BIOS settings.

🔔 **NOTE:**

There may be an additional jumper labeled "CLR_CMOS". This jumper should not be used.

Clearing the BIOS password settings

□

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 computer and unplug the power cord.

2. Locate the jumper labeled CLR_PWD.

3. Move the jumper on jumper CLR_PWD to pins 2-3.

4. Plug the power cord and turn ON the computer.

5. Hold down the F10 key during the startup process and enter BIOS setup to change or clear the password.

6. After changing or clearing the BIOS passwords, remember to reset the jumper to pins 1-2.

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