

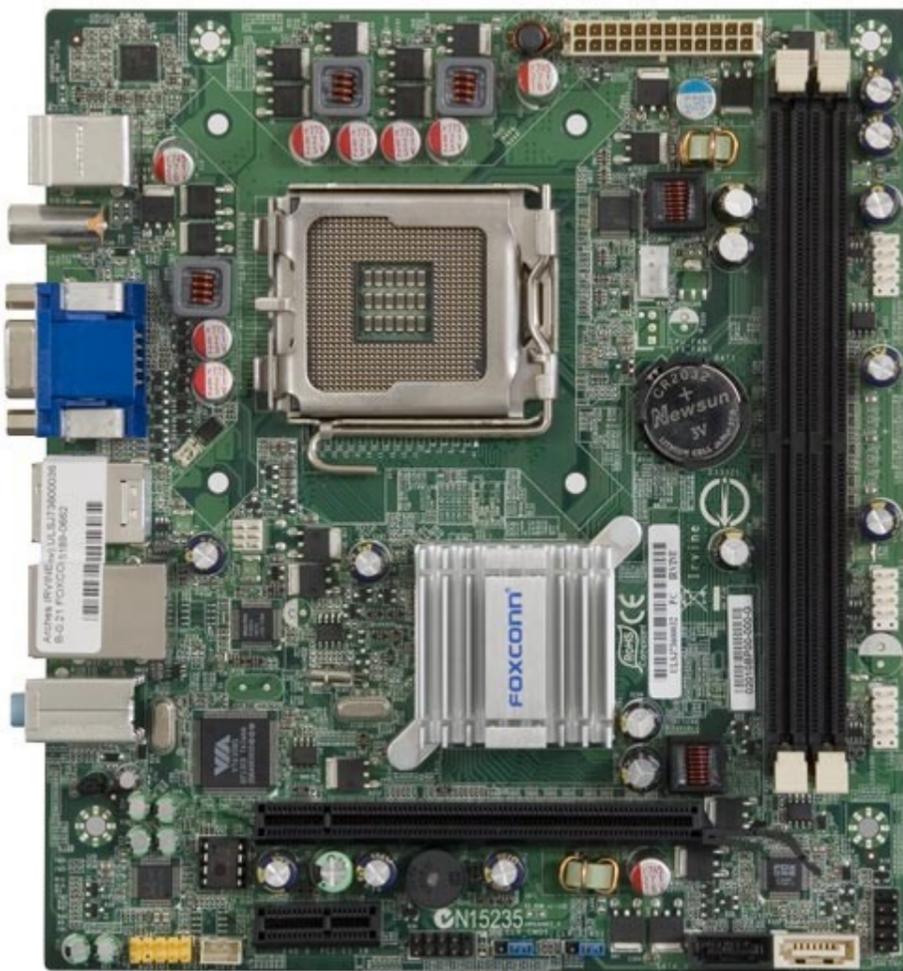


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HP and Compaq Desktop PCs - Motherboard Specifications, Irvine

Figure 1: The (Irvine) motherboard



Motherboard description

- Manufacturer's motherboard name: Irvine
- HP/Compaq name: Irvine

Form Factor

- Micro-ATX: 19.0 cm (7.5 inches) x 17.3 cm (6.8 inches)

Chipset

- GeForce 7100/nForce 630i

Front-side bus speed

- 800/1066/1333 MHz (processor dependent)

Processor upgrade information



Socket type: 775

Motherboard supports the following processor upgrades:

- Intel Core 2 Duo (Wolfdale) E8xxx
- Core 2 Duo E6xxx (Conroe) up to E6850
- Core 2 Duo E4xxx (Conroe) up to E4400
- Pentium E2xxx series (Conroe) with Dual Core technology up to E2160
- Celeron 4xx series (Conroe) up to Celeron 440

Memory upgrade information



- single 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* on 32 bit PCs (using two 2 GB DIMMs)
 - 32 bit PCs cannot address a full 4.0 GB of memory.

Video



Integrated graphics using GeForce 7100



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

- Integrated graphics using GeForce 7100
- One VGA port on backplate
- Also supports PCI Express x16 graphics cards

Audio



Integrated Realtek ALC888S Audio



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

- Audio CODEC: ALC888S
- 6 channel high-definition audio

Network

LAN: 10-Base-T

- Interface: Integrated into motherboard
- Technology: Realtek RTL-A210
- Data transfer speeds: up to 10/100Mb/s
- Transmission standards: 10-Base-T Ethernet

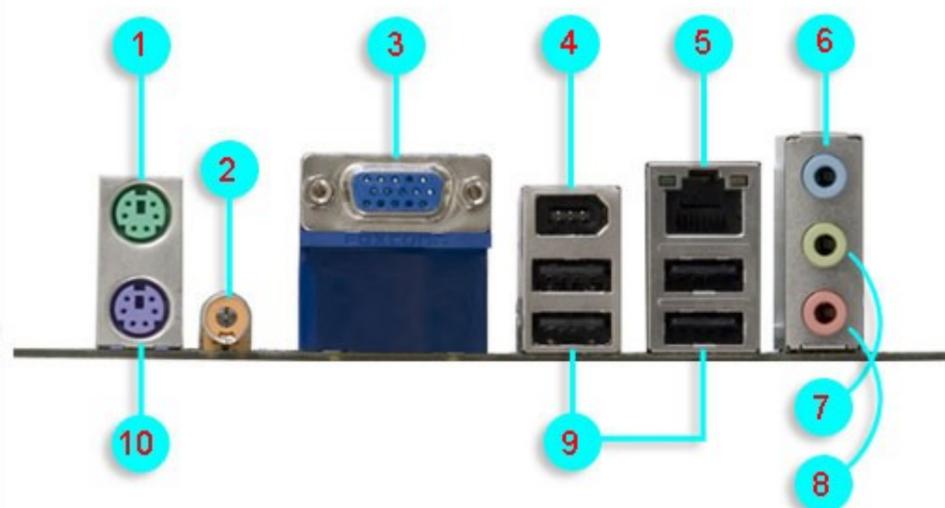
Expansion Slots

- One PCI Express x16
- One PCI Express x1

I/O Ports

Back I/O ports

Figure 2: Back I/O panel



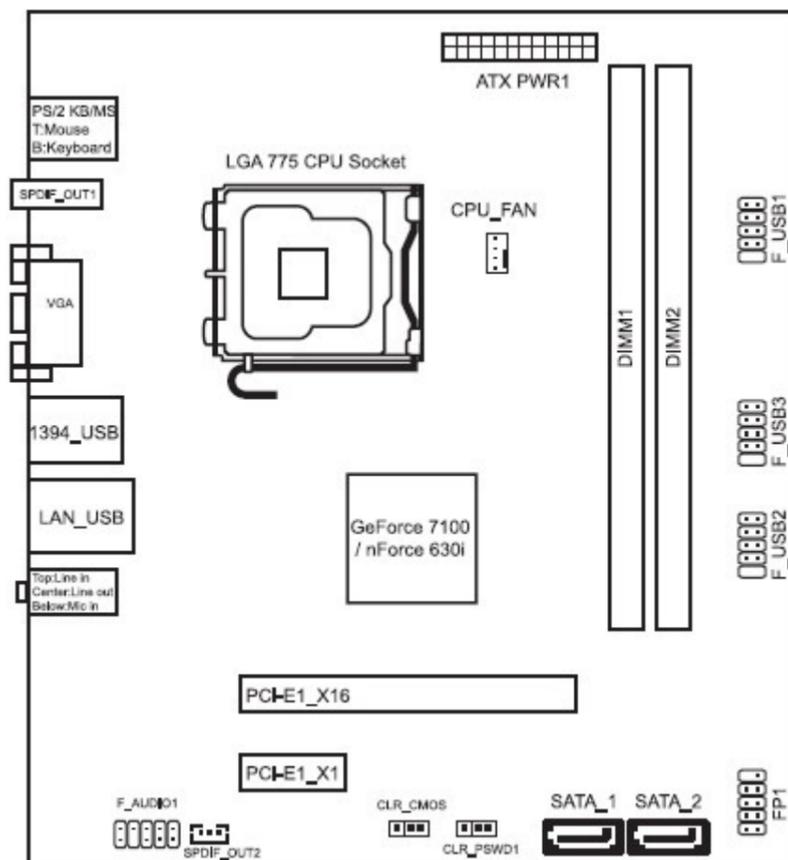
1. PS/2 mouse (green)
2. Coaxial SPDIF Out (orange)
3. Video Graphics Adapter
4. IEEE 1394a
5. RJ-45 Network (LAN)
6. Audio: Line In (light blue)
7. Audio: Line Out (lime)
8. Audio: Microphone (pink)
9. USB 2.0: 4
10. PS/2 keyboard (purple)

Internal Connectors

- One 2x12 mini power socket
- Two SATA connectors
- One 12v fan connectors for CPU fan and PC fan
- One 9-pin header for power button, reset button, power LED, and HDD LED
- One SPDIF digital audio output header
- One 9-pin audio header for headphone-out and microphone-in (yellow, Vista capable, requires matching front audio jack module)
- Three USB headers supporting 6 USB ports or devices
- One jumper for resetting BIOS settings
- One jumper to disable BIOS password checking

Motherboard layout

Figure 3: layout

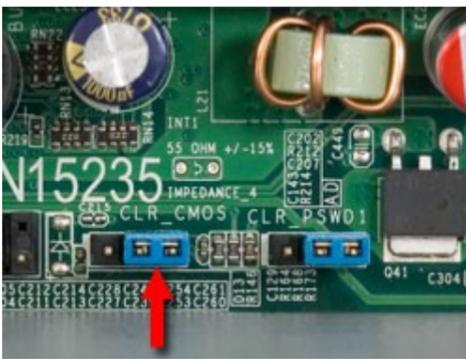


Clearing the BIOS settings

⚠ 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 to pins 1-2.



2. Wait 5-10 seconds and then return the jumper to pins 2-3.
3. On the next startup, enter BIOS setup to reset any custom BIOS settings.

Clearing the BIOS password settings

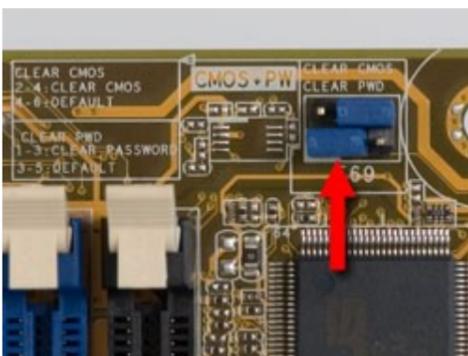
The BIOS password is used to protect BIOS settings from unwanted changes. If the BIOS password has been forgotten, disable password checking to enter setup and change or erase the password.

To erase the BIOS password follow these steps:

1. Turn OFF the computer and unplug the power cord.
2. Locate the jumper labeled CLR_PSWD1.



3. Move the jumper on jumper CLR_PSWD1 to pins 1-2.



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 2-3.

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