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Support

HP Consumer Support

Motherboard Specifications, A8N-BR (Pyrite)

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Motherboard specifications table

| Part / Feature | Specification / Support |
|--------------------------------|---|
| Motherboard description | <ul style="list-style-type: none"> Motherboard manufacturer's name: Asus A8N-BR HP/Compaq name: Pyrite-GL8E |
| CPU/Processor | <ul style="list-style-type: none"> Socket: AM2 Supports the following processors: <ul style="list-style-type: none"> Athlon64 X2 4200+, up to 35 watt Athlon 64 up to 35 watt Sempron up to 35 watt |
| Front-side bus (FSB) | <ul style="list-style-type: none"> 2000MT/s (processor dependent) |
| Chipset | <ul style="list-style-type: none"> NVIDIA GeForce 6150 LE <ul style="list-style-type: none"> Southbridge: nForce 430 (also called MCP51) |
| BIOS features | <ul style="list-style-type: none"> Award brand system BIOS Keyboard combination to used to enter BIOS: F1 |
| Form factor | <ul style="list-style-type: none"> Micro ATX size form factor, 6.8 in x 6.7 in |
| Memory | <ul style="list-style-type: none"> Dual-channel memory architecture 2 x 240-pin DIMM sockets support unbuffered non-ECC 533 MHZ DDR2 memory modules Maximum HP/Compaq approved memory is 2 GB |
| Expansion slots | <ul style="list-style-type: none"> One PCI |
| Video graphics | <ul style="list-style-type: none"> Integrated |
| Onboard audio | <ul style="list-style-type: none"> Built-in Azalia 8 channel audio Realtek ALC888 8-channel High Definition Audio CODEC |
| Onboard LAN | <ul style="list-style-type: none"> Realtek RTL8201CL 10/100 Mbps Fast Ethernet controller |

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Tips

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- PS/2 keyboard (purple)
- PS/2 mouse (green)
- One SPDIF out port
- One VGA out port
- One IEEE 1394
- Four USB (2.0)
- One RJ-45 networking port (LAN)
- Audio ports:
 - Line-in (light blue)
 - Line-out (lime)
 - Microphone-in (pink)
 - Side speaker out (gray)
 - Rear speaker out (black)
 - Center/subwoofer (yellow orange)

Customer Support

- Power cord replacement
- Download drivers
- Register your product
- Authorized service providers
- Training & certification
- Product recycling

Internal connectors

- One 24-pin ATX power connector
- One Parallel ATA connector
- Two Serial ATA connectors
- One PC fan connector
- One 9-pin header for power button, reset button, power LED, and HDD LED
- One 9-pin audio header for headphone-out and microphone-in
- Two USB 2.0 headers supporting 4 USB ports or devices

| Terms of use | Recalls
L.P.

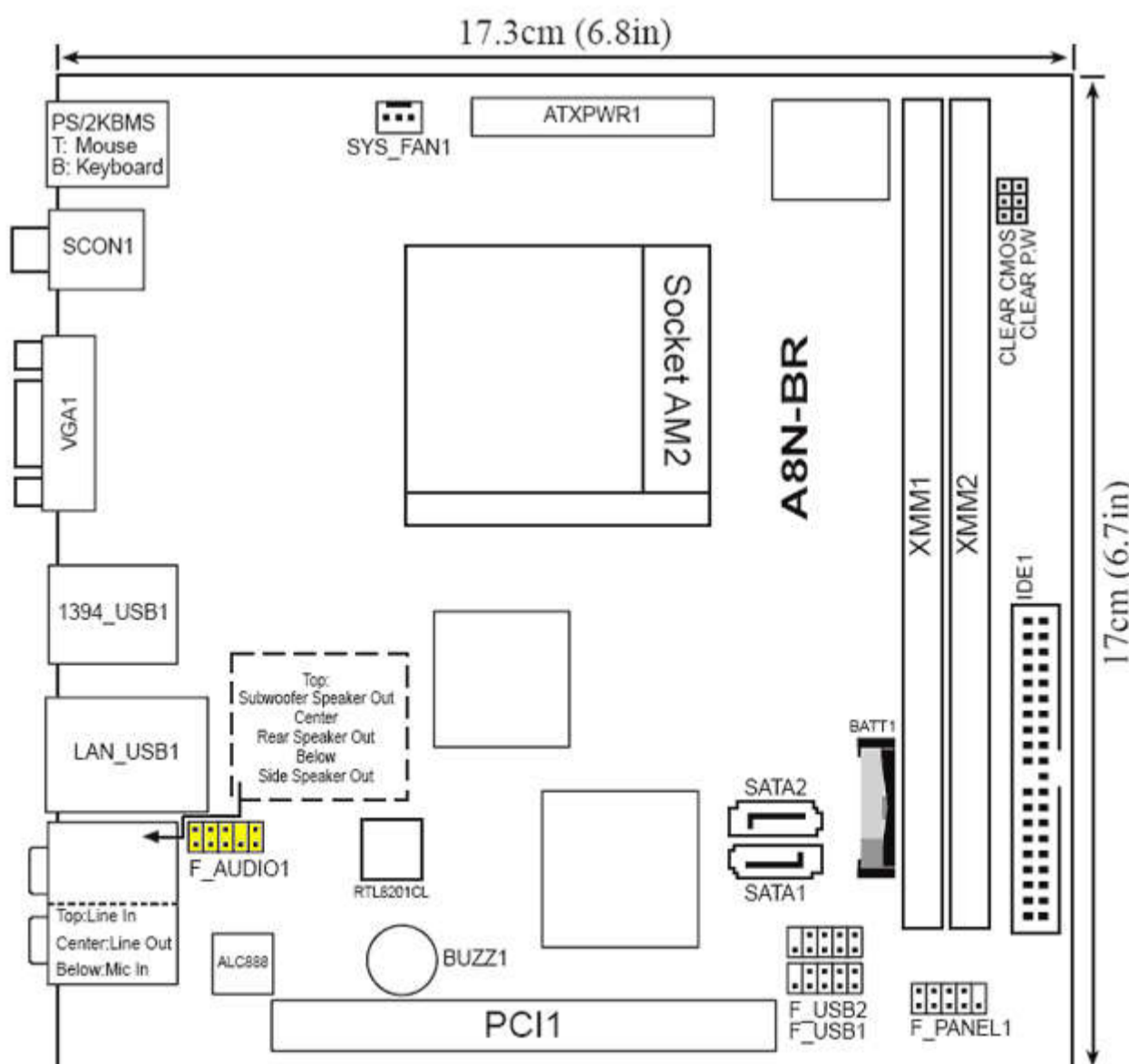


NOTE: Motherboard specifications are subject to change without notice.

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Motherboard layout and photos

Figure 1: layout



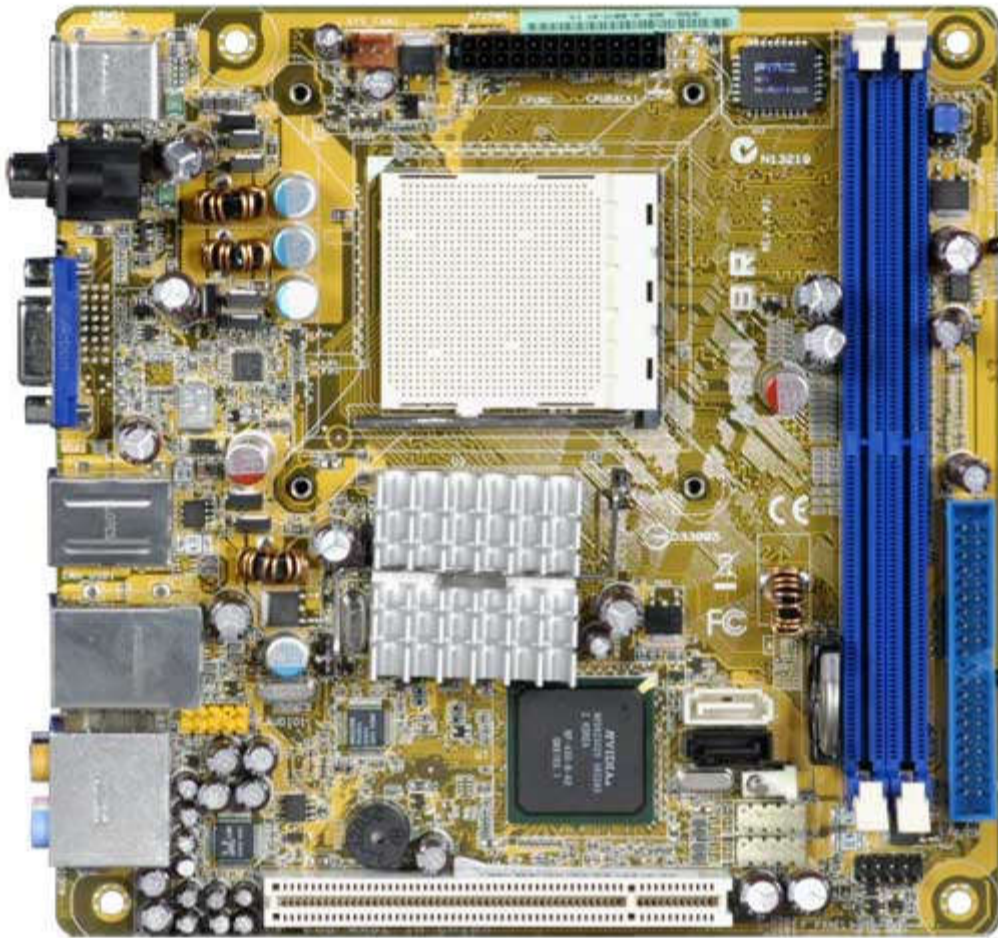
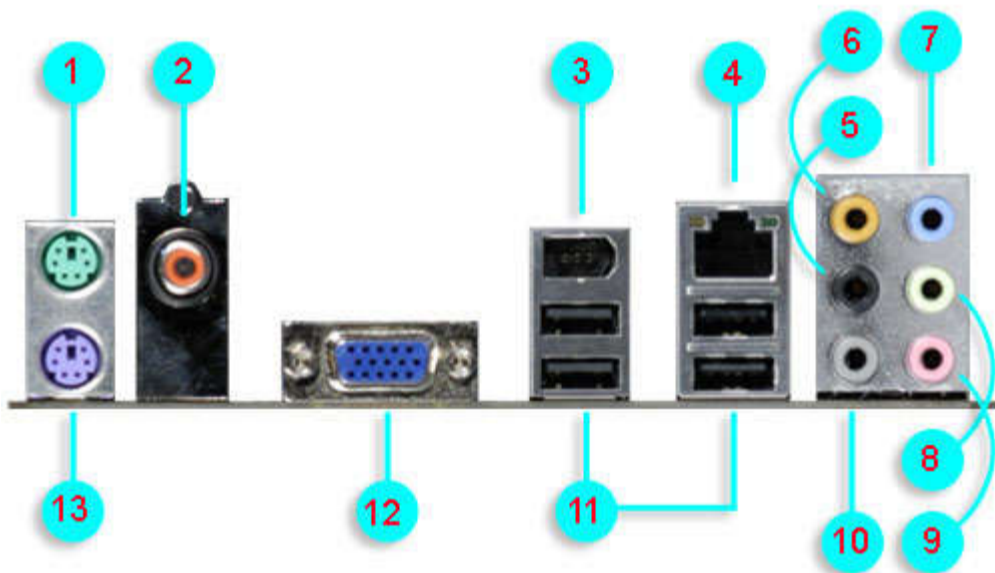


Figure 3: Backplate



1 - PS/2 mouse port (green). This port is for a PS/2 mouse.

2 - SPDIF coaxial out port. This port connects to external audio output devices with coaxial cable connectors.

3 - IEEE 1394 port. This 9-pin IEEE 1394 port provides high-speed connectivity for audio/video devices, storage peripherals, PCs, or portable devices.

4 - LAN (RJ-45) port. This port allows connection to a Local Area Network (LAN) through a network hub.

5 - Rear Speaker Out port (black). This port connects to the rear speakers on a 4-channel, 6-channel, or 8-channel audio configuration.

6 - Center/Subwoofer port (yellow orange). This port connects the center/subwoofer speakers.

7 - Line In port (light blue). This port connects a tape, CD, DVD player, or other audio sources.

8 - Line Out port (lime). This port connects to headphones or a speaker. In 4-channel, 6-channel, and 8-channel mode, the function of this port becomes Front Speaker Out.

9 - Microphone port (pink). This port connects a microphone.

10 - Side Speaker Out port (gray). This port connects to the side speakers in an 8-channel audio configuration.

11 - USB 2.0 ports 1, 2, 3, and 4. These four 4-pin Universal Serial Bus (USB) ports are available for connecting USB 2.0 devices.

12 - Video Graphics Adapter port. This port is for a VGA monitor or other VGA-compatible devices.

Clearing the BIOS settings



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

The motherboard includes jumper instructions which are printed on the circuit board.



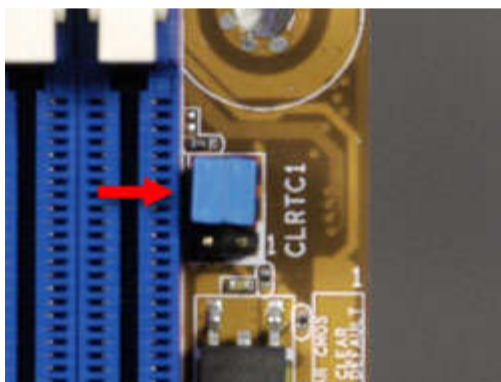
This motherboard has jumpers to:

Clear the Real Time Clock (RTC) RAM in CMOS.

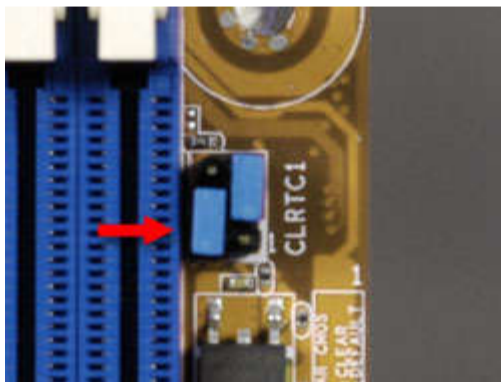
Clearing CMOS

To clear CMOS, follow these steps:

1. Temporarily set jumper CLRTC to pins 1-2.



2. Wait 5-10 seconds and then return the jumper to pins 2-3.



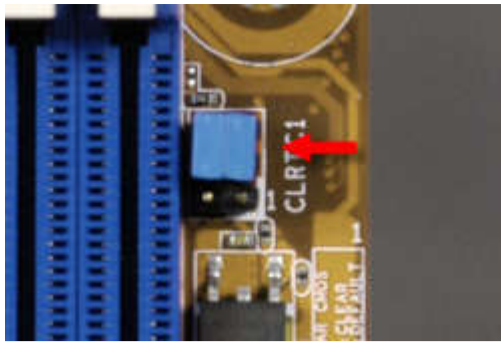
When you boot the system you will need to enter BIOS setup to reset any custom BIOS settings.

Clearing the BIOS password

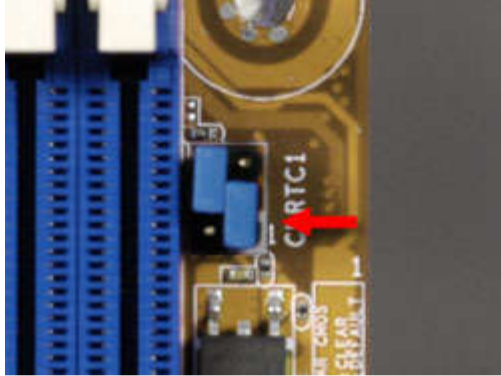
The BIOS password is used to protect BIOS settings from unwanted changes. If you have forgotten your password you may disable password checking.

To erase the BIOS password checking:

1. Turn OFF the computer and unplug the power cord.
2. Locate the jumper labeled Clear P.W.



3. Move the jumper cap on jumper CLR_P.W. to pins 1-2.



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

5. Hold down the **F1** key during the start 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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