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Motherboard Specifications, M2N68-LA (Narra5)

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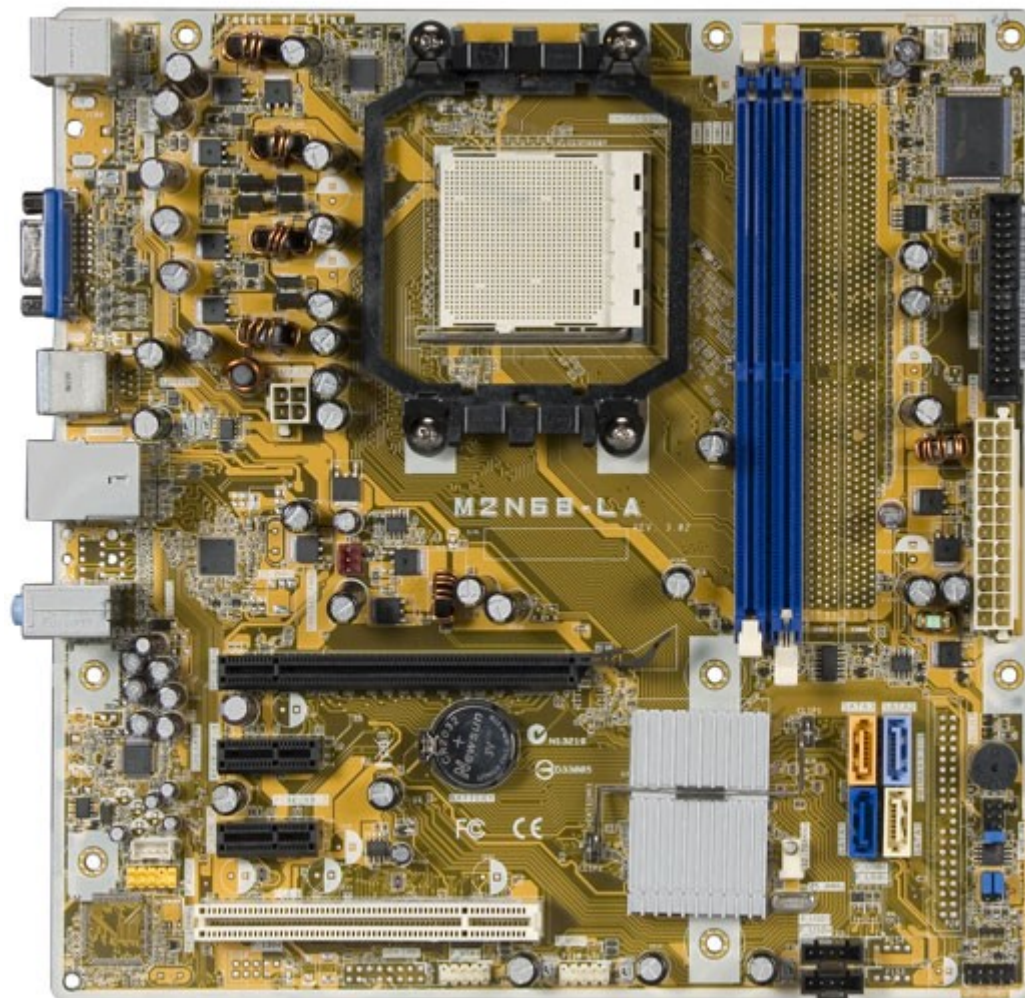
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Figure 1: The M2N68-LA (Narra5) motherboard

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Motherboard description

- Manufacturer's motherboard name: Pegatron M2N68-LA
- HP/Compaq name: Narra6-GL6

Form Factor

- Micro-ATX: 24.5 cm (9.6 inches) x 24.5 cm (9.6 inches)

Chipset

- NVIDIA GeForce 6150SE nForce 430

Front-side bus speed

- 2000MT/s (2.0 GT/s)

Processor upgrade information

- TDP: 95W
- Motherboard supports the following processor upgrades:



NOTE: Only socket AM2+ processors are supported with this motherboard.

- AMD Phenom II Quad-Core
- AMD Phenom II Triple-Core
- AMD Phenom Quad-Core (A) 9xxx series (AM2+)

- AMD Athlon X4
- AMD Athlon X3
- AMD Athlon X2 (B) (AM2+)

Memory upgrade information

- Dual channel memory architecture
- Two DDR2 DIMM (240-pin) sockets
- Supported DIMM types:
 - 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

*32-bit operating systems 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
- Also supports PCI Express x16 graphics cards*



NOTE:*Either integrated graphics or the PCI Express x16 slot are usable at one time; they are not usable concurrently.

Audio

Integrated Realtek ALC888S Audio

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

- Number of channels: 6
- Audio CODEC: ALC888S
- Maximum bit depth: up to 24-bit
- Maximum sample rate: up to 192,000 Hz
- Supports SPDIF digital

Network

LAN: 10-Base-T

- Interface: Integrated into motherboard
- Technology: Realtek RTL8201N
- Data transfer speeds: up to 10/100 Mb/s
- Transmission standards: 10-Base-T Ethernet

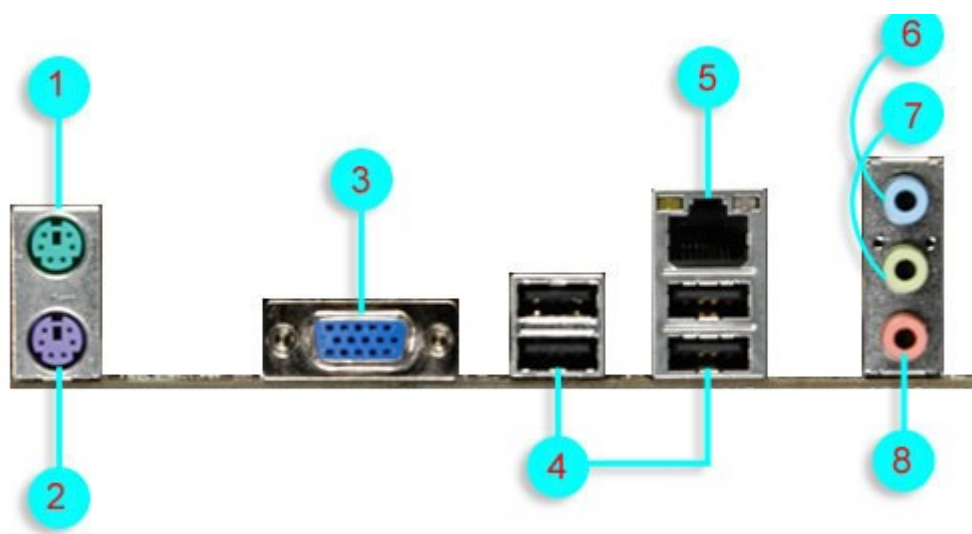
Expansion Slots

- One PCI Express x16
- Two PCI Express x1
- One PCI

I/O Ports

Back I/O ports

Figure 2: Back I/O panel



1 - PS/2 mouse port (green)

2 - PS/2 keyboard port (purple)

3 - Video Graphics Adapter port

4 - USB 2.0 ports 4

5 - RJ45 Network (LAN)

6 - Line In port (light blue)

7 - Line Out port (lime)

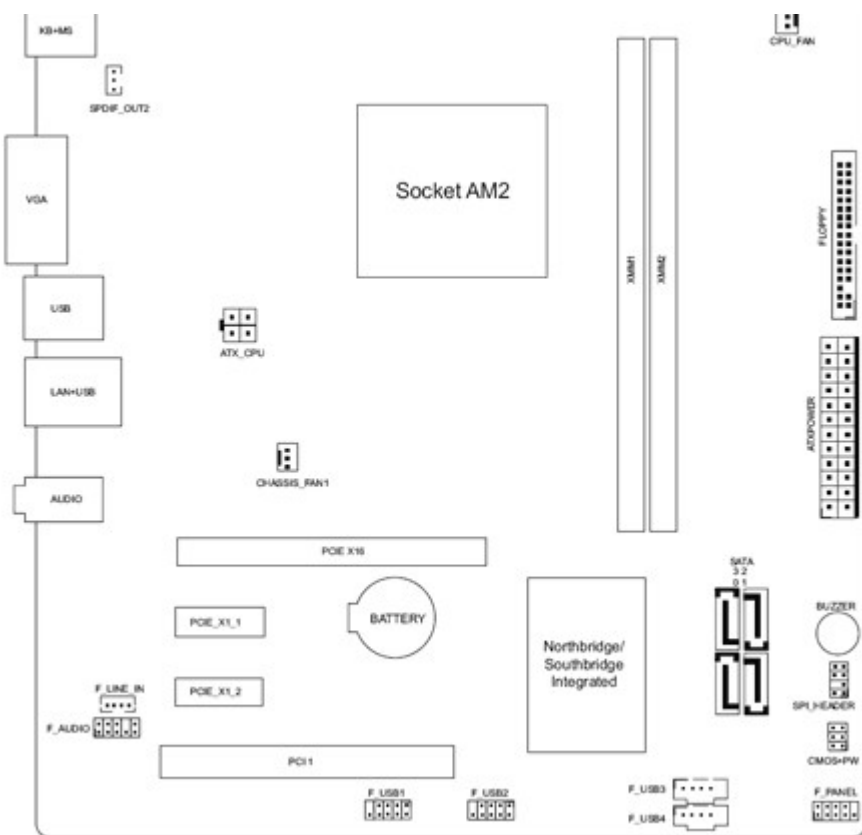
8 - Microphone port (pink)

Internal Connectors

- One 24-pin ATX power connector
- One 4-pin ATX power connector
- Four 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 SPDIF digital audio output header
- One front line input connector
- One 9-pin audio header for headphone-out and microphone-in (yellow, Vista capable, requires matching front audio jack module)
- Four USB headers
- One jumper for resetting BIOS settings
- One jumper to disable BIOS password checking

Motherboard layout

Figure 3: layout

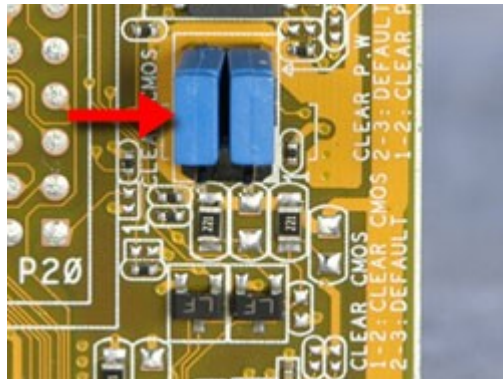


Clearing the BIOS settings



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

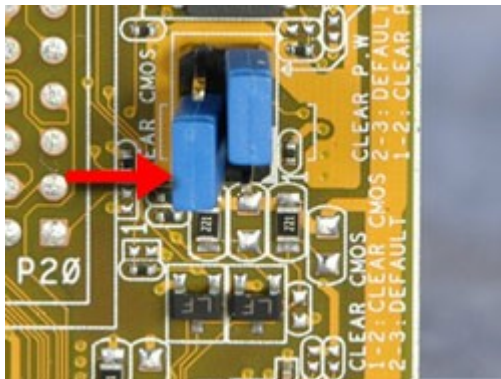
This motherboard has jumpers to clear the Real Time Clock (RTC) RAM in CMOS.



Clearing CMOS

To clear CMOS, follow these steps:

1. Temporarily set jumper Clear CMOS to pins 1-2.



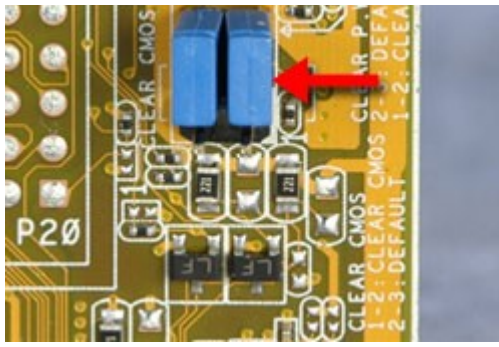
2. Wait 5-10 seconds and then return the jumper to pins 2-3.
3. When you startup the PC you will need to enter BIOS setup to reset any custom BIOS settings.

Clearing the BIOS password

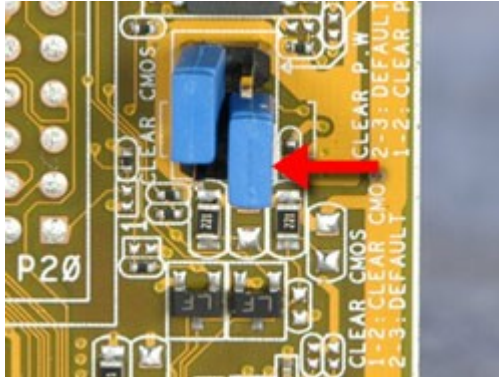
The BIOS password is used to protect BIOS settings from unwanted changes. If you have forgotten your password you may disable password checking.

To erase the BIOS password follow these steps:

1. Turn OFF the computer and unplug the power cord.
2. Locate the jumper labeled Clear P.W. The jumper is found at the lower right edge of the motherboard.



3. Move the jumper on jumper Clear P.W. 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.