The Wayback Machine - https://web.archive.org/web/20141214180817/https://h10025.www1.hp.com/ewfrf/wc/document?cc=uk&dlc=en&docname=c01925...

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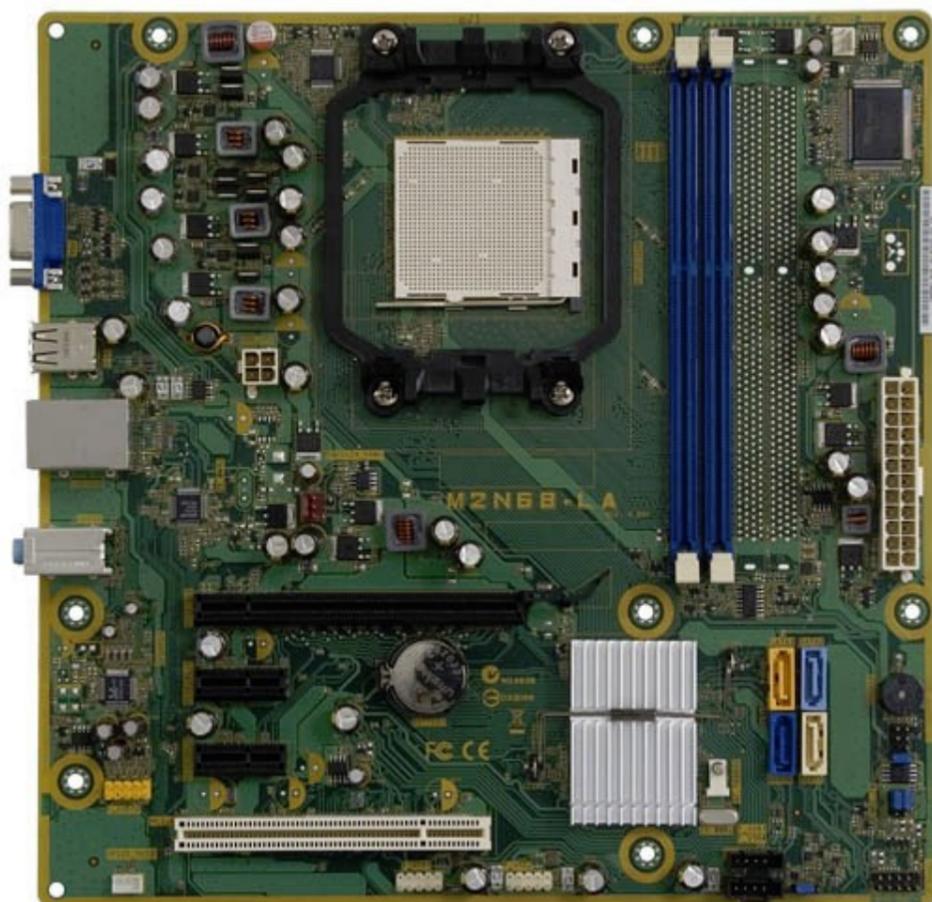## Compaq Presario CQ5222UK Desktop PC support

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Motherboard Specifications, M2N68-LA (Narra6)

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Figure 1: The M2N68-LA (Narra6) 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)
- HyperTransport 1.0 based on the NVIDIA GeForce chipset requirements

⊟ Processor upgrade information

Motherboard supports the following processor upgrades:
Socket type: AM3
TDP: 95 watt

- AMD Phenom II X4 9xx/9xxe/8xx Quad-Core (Deneb)

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- AMD II Athlon X2 2xx/2xxe (Regor)
- AMD Sempron 1xx (Sargas)

Memory upgrade information

- Dual channel memory architecture
- Two DDR3 DIMM (240-pin) sockets
- Supported DIMM types:
    - PC3-8500 (DDR3-1066)
    - PC3-10600 (DDR3-1333)
- 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
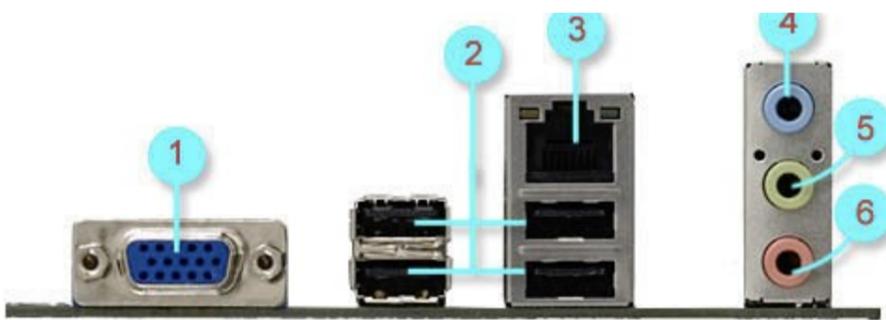- Transmission standards:10-Base-T Ethernet

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 - Video Graphics Adapter port

2 - USB 2.0: 4

3 - RJ45 Network (LAN)

**4 - Audio: Line in**

5 - Audio: Front speaker/Line out

6 - Audio: Microphone in

Internal Connectors

- One CPU fan connector
- One 24-pin ATX power connector
- One 4-pin ATX power connector
- One ROM recovery connector
- Four SATA connectors
- One ROM recovery connector
- One jumper for resetting BIOS settings
- One jumper to clear the BIOS password setting
- One system panel connector
- One AC Power Loss Restart Selector
- Four USB headers, supporting 6 USB connections
- One S/PDIF out connector
- One Front audio connector for headphone and microphone
- One chassis fan connector

Motherboard layout

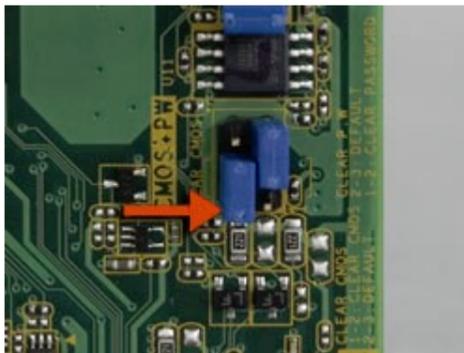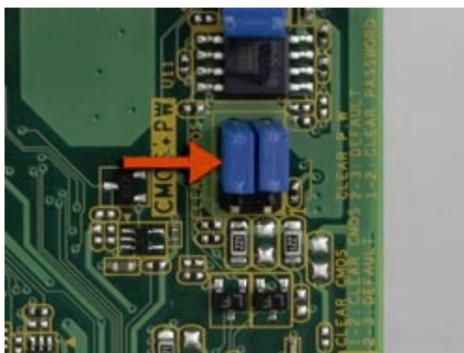**Figure 3: layout**
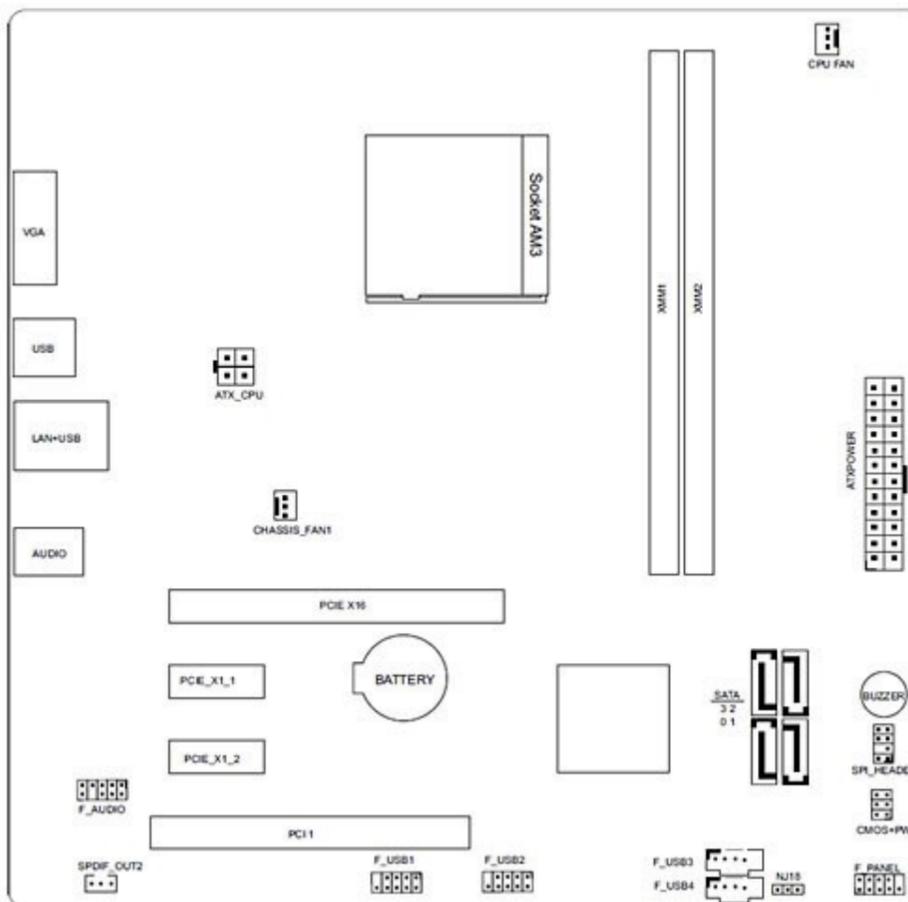
Clearing the CMOS settings

motherboard can result.
To clear CMOS, follow these steps:

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

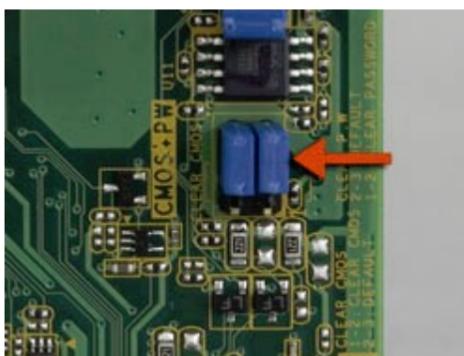2. Wait 5-10 seconds and then return the jumper to pins 2-3.

3. You may now restart the PC.

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.

3. Move the jumper on jumper Clear P.W. to pins 1-2.
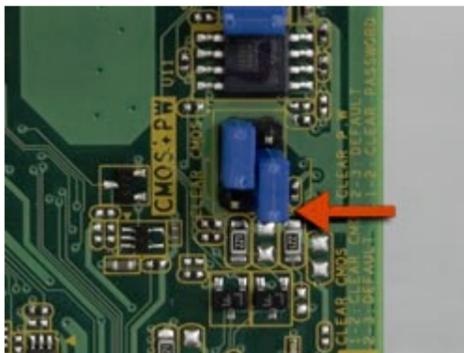
4. Wait approximately 10 seconds and then return the jumper to pins 2-3.

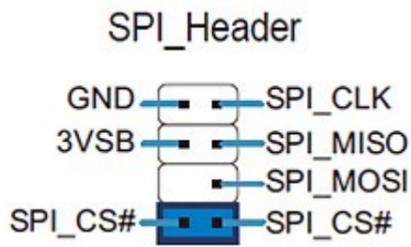5. Plug in the power cord and turn ON the computer.

SPI header

This connector allows qualified technicians to reload firmware into the SPI boot flash in case there is problem with the data.
This jumper should not be changed.
The ROM Recovery Header on the motherboard. The header is labeled SPI_Header.
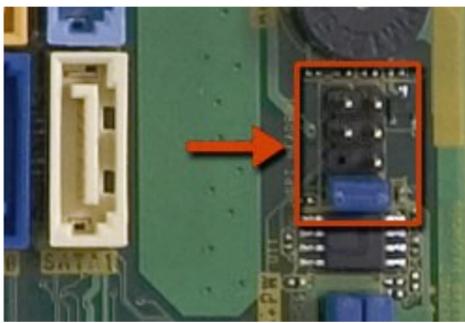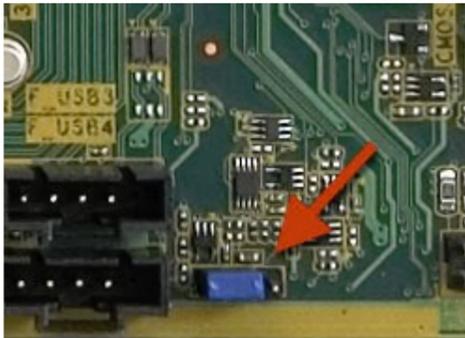
SPI Header chart.

AC Power Loss Restart Selector - NJ18 Header

The NJ18 jumper allows the user to set whether or not to start the PC after power interruptions.
If the jumper is set in the [Disabled] configuration the selector leaves your PC off. If the jumper is set in the [Enabled] configuration the selector starts the PC.
The NJ18 jumper on the motherboard.

NJ18 Header chart.