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Yunir Yunir12kqr9myvx

Yunir LGA1151 Motherboard Instruction Manual

Model: Yunir12kqr9myvx

Brand: Yunir

1. Product Overview

The Yunir LGA1151 Motherboard is a Micro ATX board designed to support 8th and 9th generation Intel Core CPUs (LGA1151 socket). It features the high-speed H310 chipset, providing performance and stability for various computing tasks. This motherboard includes two DDR4 memory slots, supporting up to 32GB of RAM with effective frequencies of 1066, 1333, and 1600MHz. For storage, it offers NVME M.2 and SATA 6Gb ports. Integrated graphics are supported with DVI, HDMI, and VGA display outputs, allowing for multi-monitor setups. A stable power supply is ensured by a three-phase power design with all solid-state capacitors and 24+8pin power sockets.



Figure 1: Top-down view of the Yunir LGA1151 Motherboard, showing the CPU socket, RAM slots, and various connectors.

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Video 1: Product Overview of the Yunir LGA1151 Motherboard, highlighting key features and components.

2. Setup and Installation

2.1 CPU Installation

Carefully open the LGA1151 CPU socket lever. Align your 8th or 9th generation Intel Core CPU with the socket, ensuring the gold triangle on the CPU matches the triangle on the socket. Gently place the CPU into the socket without forcing it. Close the lever to secure the CPU.

2.2 Memory (RAM) Installation

Locate the two DDR4 DIMM slots. Open the clips on both ends of the memory slot. Align your DDR4 memory module with the slot, ensuring the notch on the module matches the key in the slot. Press down firmly on both ends of the memory module until the clips snap into place.

2.3 Storage Device Installation

NVME M.2 SSD: Locate the M.2 slot on the motherboard. Insert the M.2 SSD at an angle into the slot. Push down the SSD and secure it with the provided screw.

SATA Drives: Connect your SATA 6Gb/s storage devices (HDDs/SSDs) to the available SATA ports using SATA data cables. Ensure power cables from your power supply are also connected to these drives.

2.4 Expansion Card Installation

The motherboard features PCI Express X16 and X1 slots. For graphics cards, use the PCI Express X16 slot. Align your expansion card with the desired slot and press down firmly until it is seated correctly. Secure the card with a screw to your PC case.

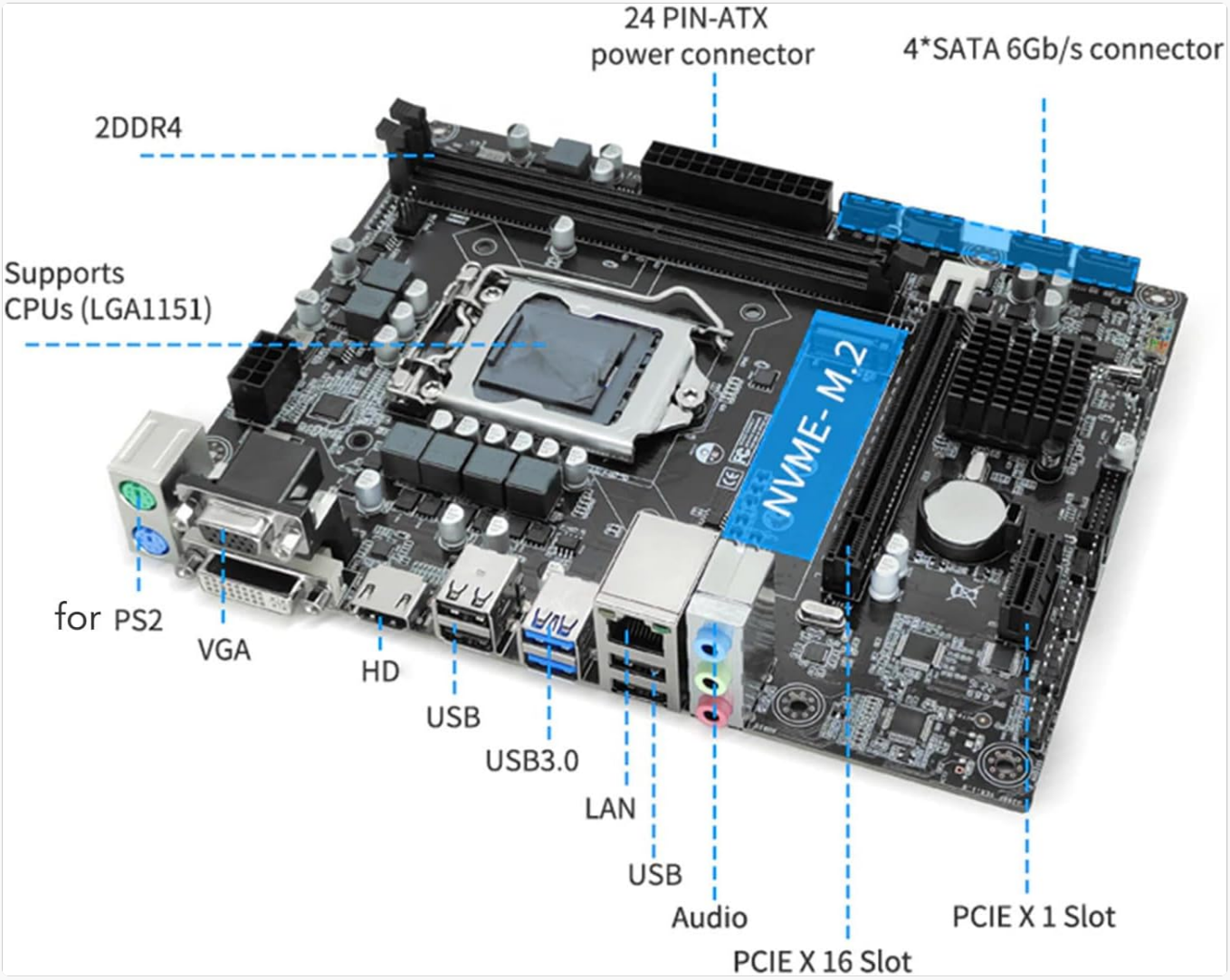


Figure 2: Detailed view of the motherboard with labels for 24-PIN ATX power connector, SATA 6Gb/s connectors, 2DDR4 slots, LGA1151 CPU socket, NVME M.2 slot, USB 3.0, LAN, Audio, PCIe X16, PCIe X1, HDMI, DVI, and VGA ports.

2.5 Power Connections

Connect the 24-pin ATX power connector from your power supply to the corresponding slot on the motherboard. Also, connect the 8-pin CPU power connector to the motherboard's CPU power input.

2.6 Connecting Peripherals

Connect your display(s) to the integrated graphics ports (HDMI, DVI, VGA) on the rear I/O panel. Connect USB devices to the available USB 3.0 and USB 2.0 ports. Use the LAN port for wired network connectivity and the audio jacks for speakers or headphones.



Figure 3: Rear I/O panel showing PS/2 ports, VGA, DVI, HDMI, USB 2.0, USB 3.0, LAN, and audio jacks.

3. Operating Instructions

After all components are correctly installed and connected, power on your system. The motherboard will initiate the boot process. Access the BIOS/UEFI settings by pressing the designated key (usually DEL or F2) during startup to configure system settings, boot order, and other advanced options. Install your preferred operating system to complete the setup.

4. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your motherboard. Keep the interior of your PC case clean and free of dust by using compressed air. Ensure all fans (CPU, case, GPU) are functioning correctly to maintain adequate airflow and prevent overheating. Periodically check for BIOS/UEFI updates from the manufacturer's website to improve compatibility and performance.

5. Troubleshooting

If you encounter issues with your motherboard, consider the following troubleshooting steps:

- **No Power:** Ensure all power cables (24-pin ATX, 8-pin CPU) are securely connected. Check your power supply unit (PSU) and wall outlet.
- **No Display:** Verify that your monitor is connected to the correct display output on the motherboard or graphics card. Reseat your RAM modules and graphics card.
- **System Instability:** Check for proper seating of all components (CPU, RAM, expansion cards). Ensure adequate cooling and check CPU/GPU temperatures.
- **Boot Issues:** Verify boot order in BIOS/UEFI settings. Check connections for all storage devices.

6. Specifications

Feature	Specification
Brand	Yunir
Model Name	Yunir12kqr9myvx
CPU Socket	LGA 1151
Compatible Processors	8th and 9th Generation Intel Core CPUs (for Ivy Bridge)
Chipset Type	H310
RAM Memory Technology	DDR4
Memory Slots	2 x 16GB DDR4 (up to 32GB total)

Memory Clock Speed	1066, 1333, 1600MHz
Storage Interfaces	NVME M.2, 4 x SATA 6Gb/s
PCI Express Slots	PCI Express X16, PCI Express X1
Integrated Graphics Ports	HDMI, DVI, VGA
USB Ports	USB 3.0, USB 2.0
Form Factor	Micro ATX
Product Dimensions	8.46 x 6.69 x 6.7 inches
Item Weight	1.21 pounds

7. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official Yunir website. Protection plans may be available for extended coverage.

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