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> [GUOJIAYI QIYIDA X99 Desktop Motherboard User Manual](#)

## GUOJIAYI QIYIDA

# GUOJIAYI QIYIDA X99 Desktop Motherboard User Manual

Model: QIYIDA X99

## INTRODUCTION

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This user manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the GUOJIAYI QIYIDA X99 Desktop Motherboard. Please read this manual carefully before proceeding with installation to ensure proper setup and optimal performance.

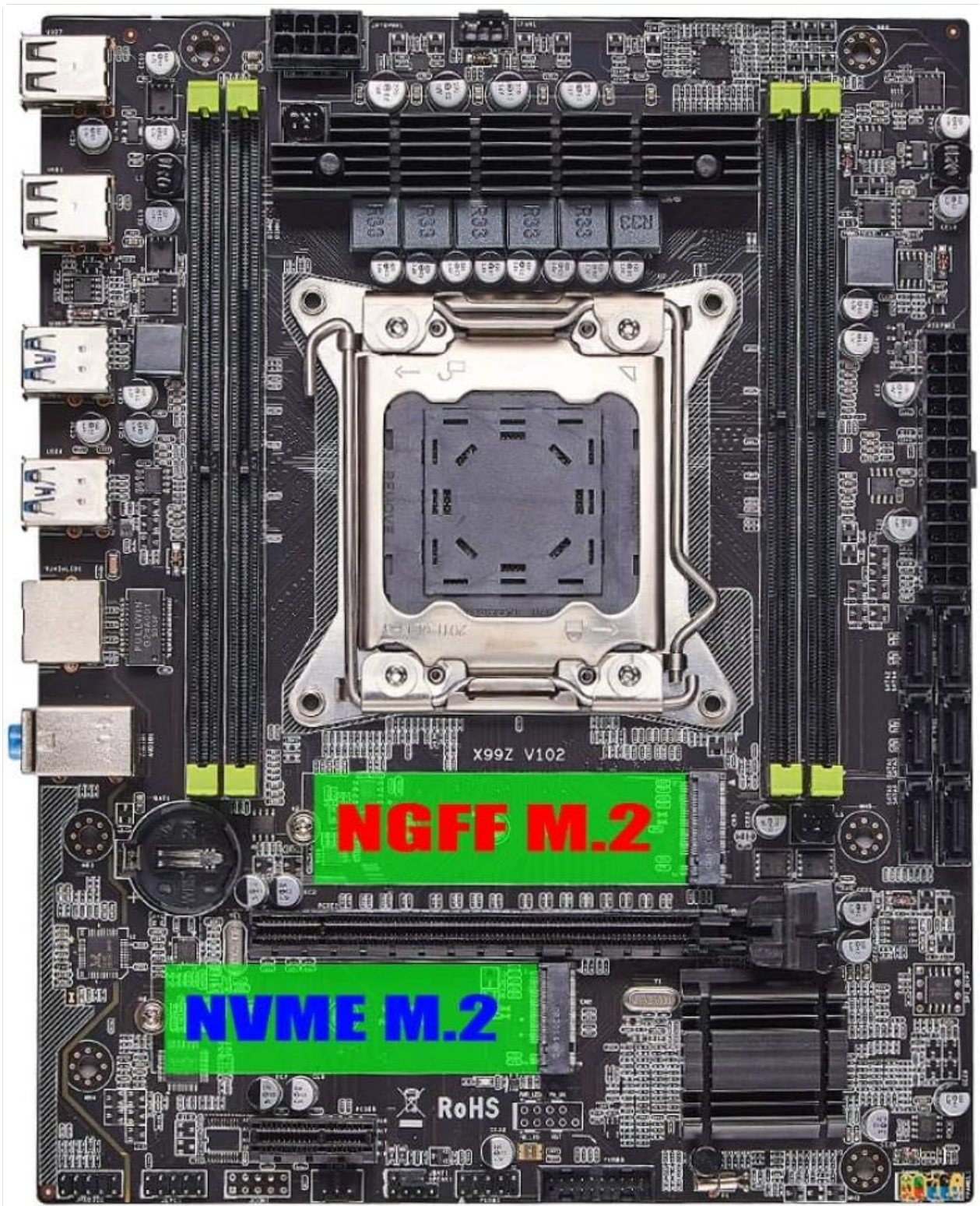


Figure 1: GUOJIAYI QIYIDA X99 Desktop Motherboard Overview

This image displays the GUOJIAYI QIYIDA X99 Desktop Motherboard from a top-down perspective, showcasing its various slots and components including the CPU socket, RAM slots, and M.2 slots.

## PACKAGE CONTENTS

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Before you begin, please verify that all items are present in your package:

- GUOJIAYI QIYIDA X99 Desktop Motherboard
- CPU Cooler Adapter
- SATA Cable(s)

# SETUP AND INSTALLATION

Follow these steps for proper installation of your motherboard and components.

## 1. Component Identification

Familiarize yourself with the motherboard layout and key components before installation.

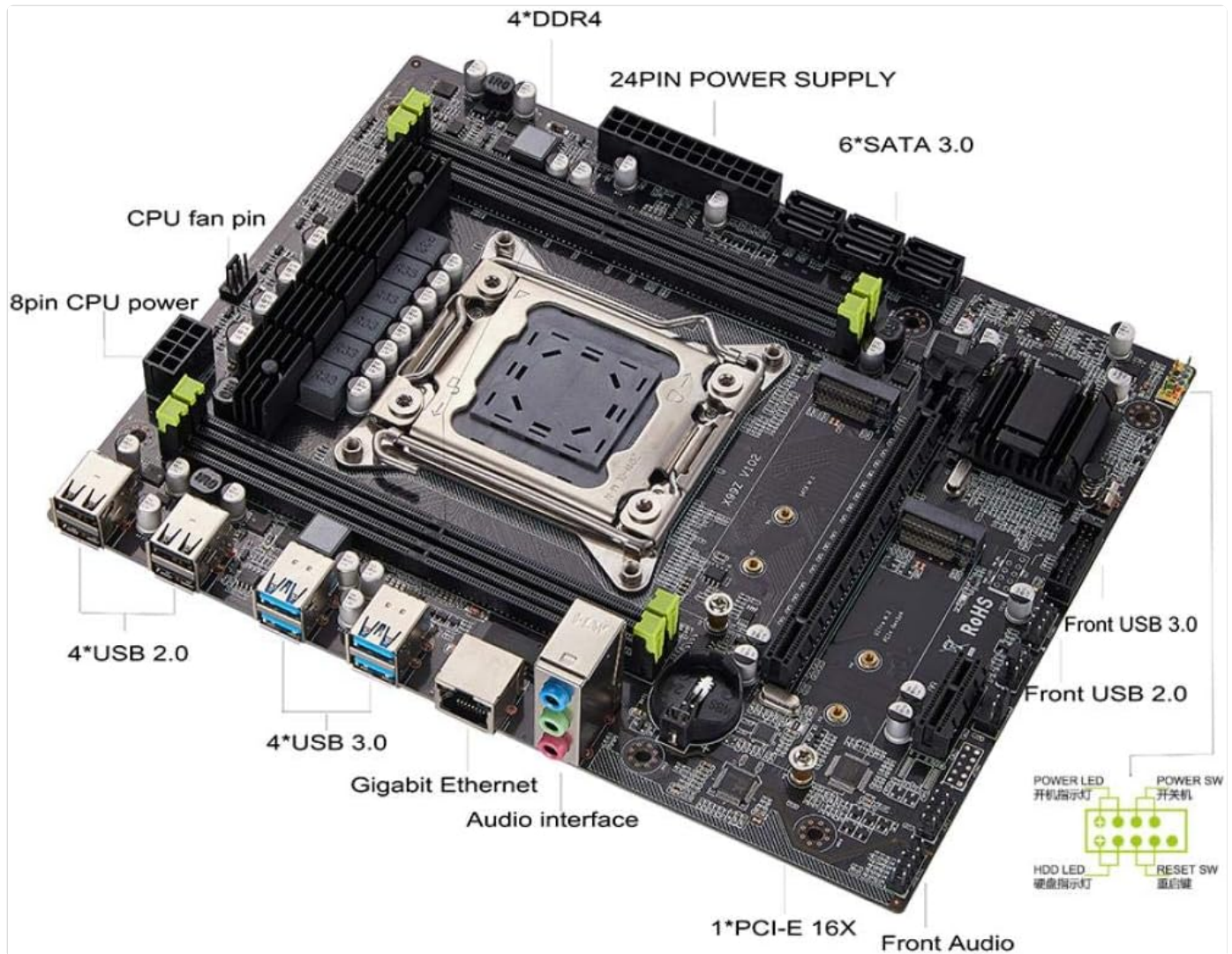


Figure 2: Motherboard Component Layout

This diagram highlights the various ports and connectors on the motherboard, including the CPU fan pin, 8-pin CPU power, 24-pin power supply, SATA 3.0 ports, USB 2.0 and 3.0 ports, Gigabit Ethernet, audio interface, and PCI-E 16X slot.

## 2. CPU Installation

1. Carefully open the LGA 2011-3 CPU socket retention arm.
2. Align the CPU (Intel E5 V3/V4 series) with the socket, ensuring the gold triangle on the CPU matches the triangle on the socket.
3. Gently place the CPU into the socket. Do not force it.
4. Close the retention arm to secure the CPU.
5. Install the CPU cooler onto the CPU, ensuring proper contact and thermal paste application.

## 3. RAM (DDR4 Memory) Installation

The motherboard supports 4 DDR4 memory slots. It supports Non-ECC, REG ECC, and ECC memory types. Note that server RAM may have compatibility issues with desktop RAM.

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

#### 4. M.2 NVME/NGFF SSD Installation

The motherboard features dual M.2 slots for NVME and NGFF SSDs.



Figure 3: M.2 Slot Identification

This image clearly labels the NVME M.2 and NGFF M.2 slots on the motherboard, indicating their positions for SSD installation.

1. Locate the M.2 slots on the motherboard.
2. Insert the M.2 SSD into the slot at an angle.
3. Gently push down the SSD and secure it with the provided screw.

#### 5. Power Connections

- Connect the 24-pin ATX power connector from your power supply unit (PSU) to the 24-pin power socket on the

motherboard.

- Connect the 8-pin CPU power connector from your PSU to the 8-pin CPU power socket on the motherboard.

## 6. Other Connections

- Connect SATA devices (HDDs, SSDs, optical drives) to the SATA 3.0 ports using the provided SATA cables.
- Connect front panel headers (USB, audio, power/reset buttons, LED indicators) according to your PC case manual and the motherboard's labeled pins.
- Install your graphics card into the PCI-E 16X slot and secure it.

## OPERATING INSTRUCTIONS

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Once all components are installed and connected, you can power on your system.

- Ensure all power cables are securely connected to the motherboard and components.
- Connect your monitor, keyboard, and mouse.
- Press the power button on your PC case.
- Access the BIOS/UEFI settings (usually by pressing DEL or F2 during boot) to configure boot order, memory settings, and other system parameters as needed.
- Install your operating system.

## MAINTENANCE

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Regular maintenance helps ensure the longevity and stable performance of your motherboard and PC system.

- **Dust Removal:** Periodically clean dust from inside your PC case, especially from the motherboard, CPU heatsink, and other cooling components. Use compressed air or a soft brush. Ensure the system is powered off and unplugged before cleaning.
- **Connection Checks:** Occasionally check that all cables (power, SATA, front panel) are securely seated.
- **BIOS/Driver Updates:** Keep your motherboard's BIOS/UEFI firmware and drivers updated to the latest versions from the manufacturer's website to ensure compatibility and performance improvements.
- **Thermal Management:** The motherboard features an advanced heatsink design for efficient heat dissipation. Ensure proper airflow within your PC case to maintain optimal operating temperatures.

## TROUBLESHOOTING

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

- **No Power/No Boot:**
  - Verify that the 24-pin and 8-pin power connectors are firmly seated.
  - Check your power supply unit (PSU) and its connections.
  - Ensure the front panel power button cable is correctly connected to the motherboard.
- **No Display:**
  - Ensure your monitor is connected to the graphics card (if applicable) or integrated graphics port.
  - Reseat the graphics card and RAM modules.
  - Try booting with only one RAM stick.
- **System Instability/Crashes:**

- Check CPU and GPU temperatures. Ensure cooling solutions are properly installed.
- Run memory diagnostic tools to check for RAM errors.
- Update drivers and BIOS.

- **Component Not Detected:**

- Reseat the component (e.g., M.2 SSD, SATA drive).
- Check cable connections.
- Verify BIOS settings for component detection.

If issues persist, consult the manufacturer's support resources or a qualified technician. The product undergoes strict quality control before shipping to ensure high compatibility and stability.

## SPECIFICATIONS

| Feature                   | Specification                          |
|---------------------------|--|
| Brand                     | GUOJIAYI                               |
| Model Name                | QIYIDA                                 |
| CPU Socket                | LGA 2011-3                             |
| Compatible Processors     | Intel Xeon (E5 V3, V4 Series)          |
| Chipset Type              | Intel X99                              |
| RAM Memory Technology     | DDR4                                   |
| Memory Sockets            | 4 x DDR4                               |
| Maximum RAM Size          | 64 GB (4 x 16 GB)                      |
| Supported Memory Types    | Non-ECC / REG ECC / ECC                |
| Storage Interface         | Dual M.2 (NVME/NGFF SSD), 6 x SATA 3.0 |
| PCI-E Slot                | 1 x PCI-E 16X                          |
| Main Power Connector Type | 24-pin                                 |
| CPU Power Connector Type  | 8-pin                                  |
| Motherboard Dimensions    | 24 x 19 mm (approx.)                   |
| Compatible Devices        | PC                                     |
| ASIN                      | B08F7HZ2B7                             |
| Manufacturer Reference    | GUOJIAYI-M8ZMQ8                        |
| First Available Date      | August 4, 2020                         |

## WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided with your purchase or contact the seller/manufacturer directly. GUOJIAYI products undergo rigorous quality assurance to ensure customer satisfaction.

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