

[Manuals.plus](#) /

› [SUNGOOYUE](#) /

› SUNGOOYUE X79G Motherboard User Manual

SUNGOOYUE X79G

SUNGOOYUE X79G Motherboard User Manual

Model: X79G

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your SUNGOOYUE X79G Motherboard. Please read this manual thoroughly before proceeding with installation to ensure proper setup and optimal performance.

The SUNGOOYUE X79G Motherboard is a high-performance component designed for desktop PCs, featuring an X79 chipset and LGA 2011 socket for robust processor compatibility. It supports DDR3 memory, offers high-speed data transfer, and includes an M.2 SSD interface for efficient storage solutions.

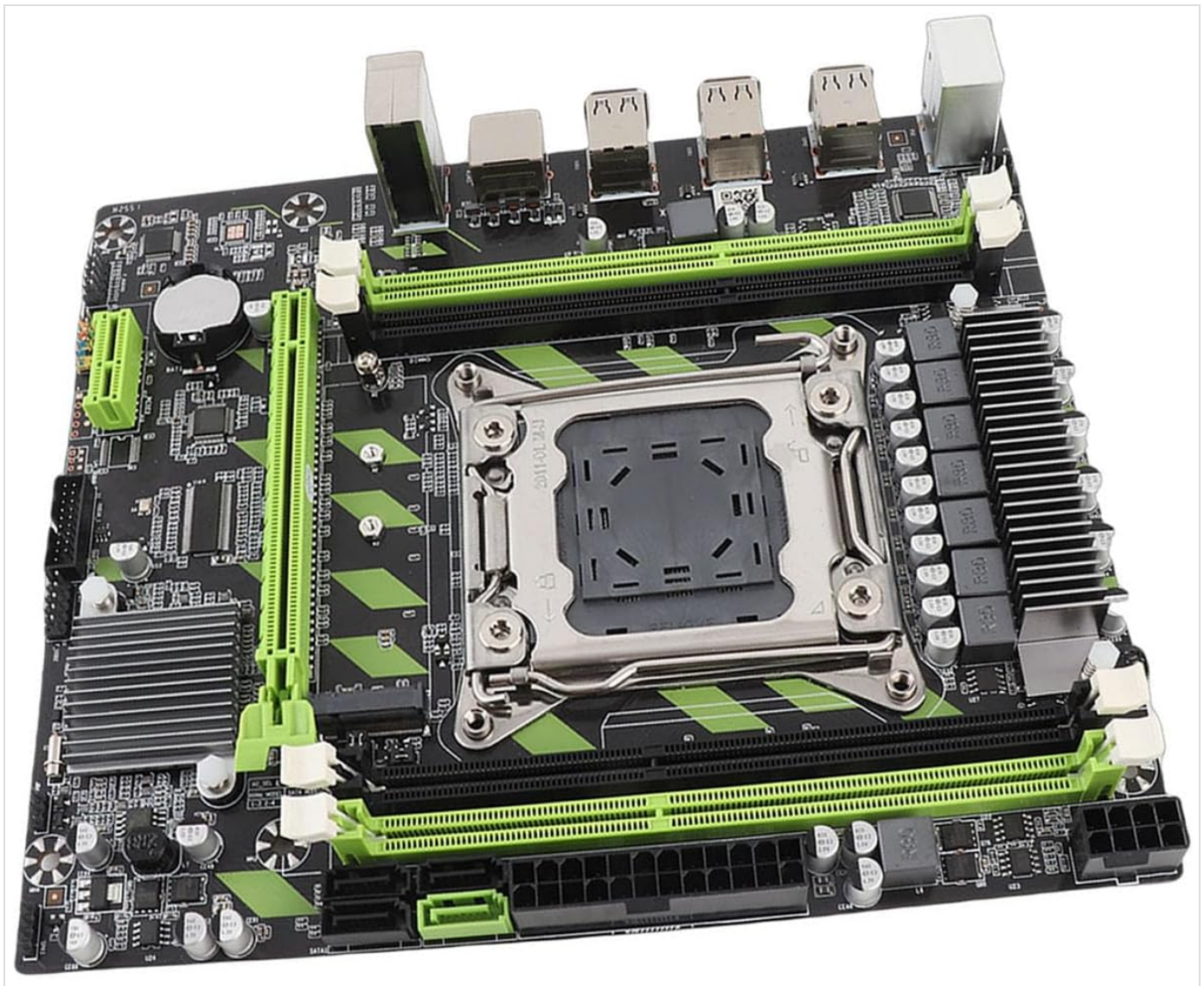


Image: Top-down view of the SUNGOOYUE X79G Motherboard, showcasing the CPU socket, RAM slots, and various connectors.

SETUP AND INSTALLATION

Follow these steps carefully to install your SUNGOOYUE X79G Motherboard and its components.

1. Prepare Your System

- Ensure your power supply is disconnected from the wall outlet.
- Discharge any static electricity by touching a grounded metal object.
- Prepare your PC case for motherboard installation.

2. CPU Installation (LGA 2011)

1. Locate the LGA 2011 CPU socket on the motherboard.
2. Carefully open the CPU socket retention mechanism.
3. Align the CPU with the socket, ensuring the gold triangle on the CPU matches the indicator on the socket. Do not force the CPU into place.
4. Gently lower the CPU into the socket.
5. Close the retention mechanism to secure the CPU.
6. Apply thermal paste to the CPU and install the CPU cooler according to its instructions.

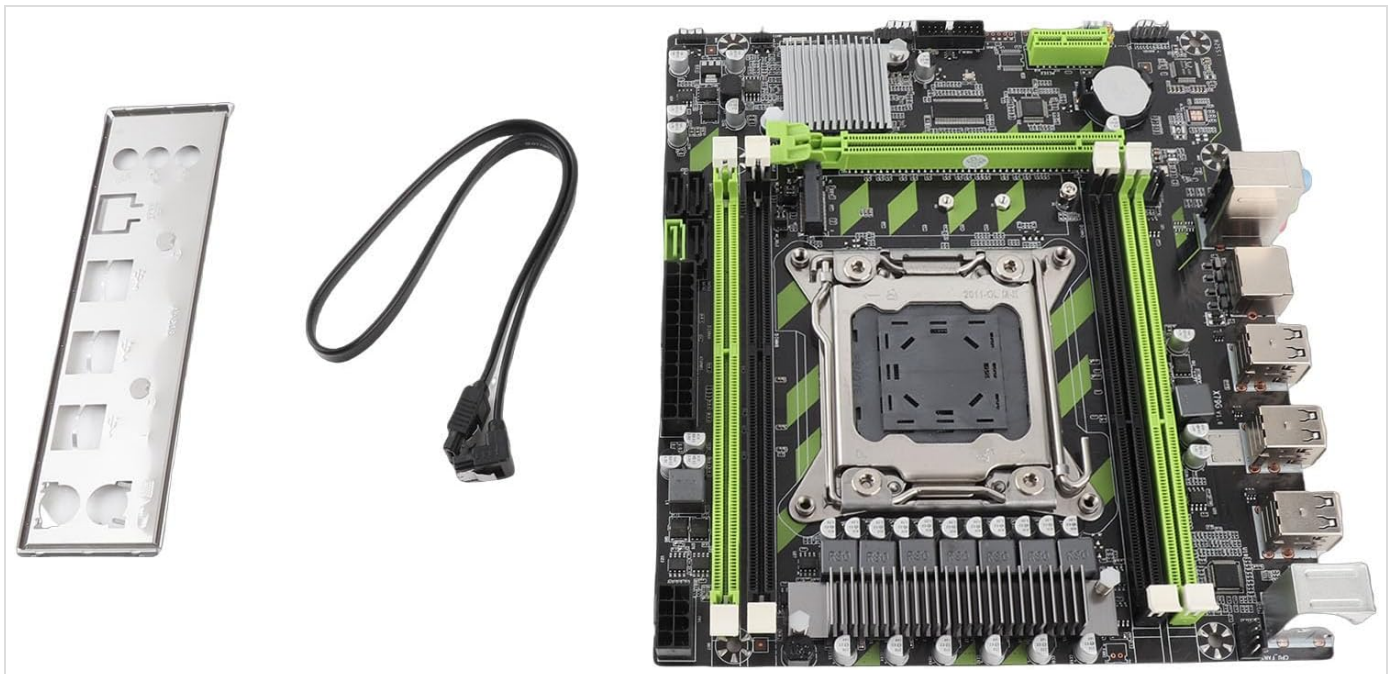


Image: A close-up view of the motherboard's LGA 2011 CPU socket and the four DDR3 RAM slots, highlighted in green.

3. Memory (RAM) Installation

1. The X79G motherboard supports DDR3 memory across four slots, with a maximum capacity of 128GB.
2. Open the clips at both ends of the memory slot.
3. Align the memory module with the slot, ensuring the notch on the module matches the key in the slot.
4. Press down firmly on both ends of the memory module until the clips snap into place.
5. **Note:** Ordinary DDR3 memory and ECC server memory cannot be mixed. Each slot operates independently.

4. Storage Device Installation (M.2 SSD & SATA)

- **M.2 SSD:** Locate the M.2 slot. Insert your M.2 SSD at an angle and then gently push it down, securing it with the provided screw.
- **SATA Drives:** Connect your SATA 2.0 drives (HDDs/SSDs) to the 3 x SATA 2.0 ports using SATA data cables. Connect power from your power supply to the drives.

5. Graphics Card Installation (PCIe)

1. Locate the 1xPCIEx16 slot for your primary graphics card.
2. Remove the corresponding expansion slot cover from your PC case.
3. Align your graphics card with the PCIe slot and press down firmly until it is seated correctly. The retention clip should lock into place.
4. Secure the graphics card to the case with a screw.
5. Connect any necessary PCIe power cables from your power supply to the graphics card.

6. Power Supply Connections

- Connect the 24-pin ATX power connector from your power supply to the motherboard.
- Connect the 8-pin (or 4-pin) CPU power connector to the motherboard.

7. Front Panel and Peripheral Connections

- Connect your case's front panel connectors (power switch, reset switch, HDD LED, power LED) to the corresponding pins on the motherboard. Refer to the motherboard diagram for pin assignments.

- Connect USB 2.0 headers (6 x USB 2.0 ports available).
- Connect audio headers.
- Install the included metal I/O plate into your PC case before installing the motherboard.

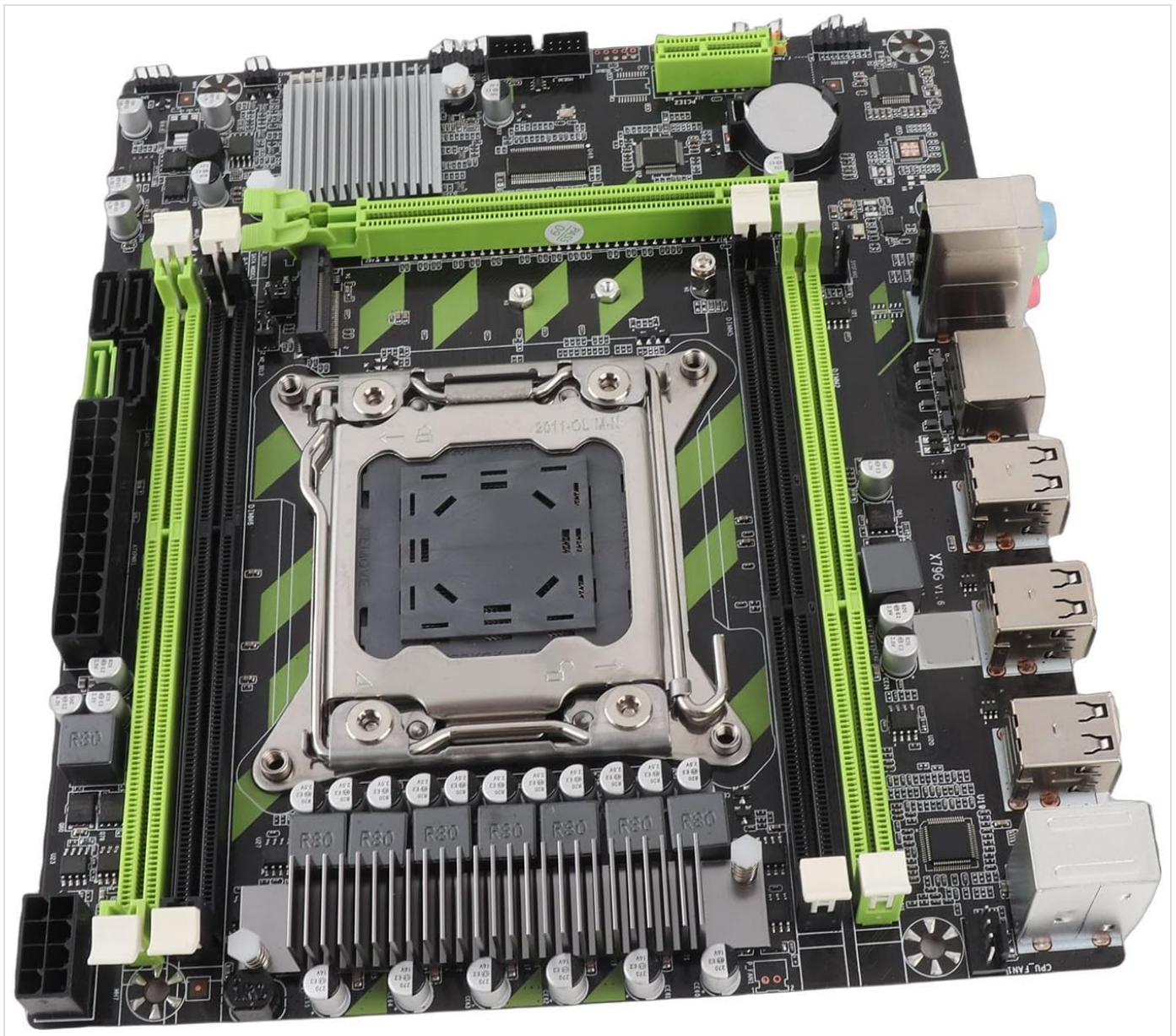


Image: The SUNGOOYUE X79G Motherboard shown alongside its metal I/O shield and a SATA data cable, essential components for system assembly.

OPERATING INSTRUCTIONS

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

1. Initial Power On

- Connect your monitor, keyboard, and mouse.
- Connect the power supply to a wall outlet and flip the power switch on the PSU to the 'ON' position.
- Press the power button on your PC case.

2. BIOS/UEFI Setup

- During startup, repeatedly press the **DEL** or **F2** key (common keys, may vary) to enter the BIOS/UEFI setup utility.
- In the BIOS, you can configure boot order, system time, and other advanced settings.

- Save changes and exit the BIOS to continue booting.

3. Operating System Installation

Insert your operating system installation media (USB drive or DVD) and follow the on-screen prompts to install your preferred OS.

4. Network Connectivity

The motherboard features an RTL8111HN Gigabit Network Card, providing stable and rapid internet connectivity. Connect an Ethernet cable to the RJ45 port on the rear I/O panel. Drivers may need to be installed for optimal performance, typically found on the manufacturer's website or included with your OS.



Image: The rear I/O panel of the SUNGOOYUE X79G Motherboard, displaying various ports including USB, Ethernet, and audio jacks.

MAINTENANCE

Proper maintenance ensures the longevity and stable performance of your motherboard.

- **Dust Removal:** Regularly clean dust from your PC case and motherboard components using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Component Checks:** Periodically check all cable connections (power, SATA, front panel) to ensure they are secure.

- **BIOS Updates:** Check the manufacturer's website for BIOS updates. Only update the BIOS if necessary and follow the instructions precisely to avoid system instability.
- **Durable Design:** The X79G motherboard is built with a full board solid capacitor design and an included power supply cooling block, enhancing durability and heat dissipation.

TROUBLESHOOTING

This section addresses common issues you might encounter.

No Power / System Not Starting

- Ensure the power supply is connected to the wall and switched on.
- Verify all power cables (24-pin ATX, 8-pin CPU) are securely connected to the motherboard.
- Check front panel power switch connection to the motherboard.
- Test the power supply with another system or a PSU tester if available.

No Display Output

- Ensure your monitor is connected to the graphics card (not the motherboard I/O if a dedicated GPU is installed).
- Reseat the graphics card in its PCIe slot.
- Reseat all RAM modules. Try booting with only one RAM module installed.
- Check if the CPU cooler is properly installed and powered.

System Instability / Crashes

- Check RAM compatibility and ensure modules are properly seated.
- Monitor CPU and GPU temperatures to prevent overheating.
- Ensure all drivers (chipset, graphics, network) are up to date.

Network Connectivity Issues

- Verify the Ethernet cable is securely connected to both the motherboard and your router/modem.
- Check network adapter drivers.
- Confirm network settings in your operating system.

SPECIFICATIONS

Detailed technical specifications for the SUNGOOYUE X79G Motherboard.

Feature	Specification
CPU Support	LGA 2011 Interface Processors
Chipset	X79
Memory Slots	4 x DDR3
Peak Memory Capacity	128GB (DDR3)
Memory Type Support	Ordinary DDR3 and ECC Server Memory (cannot be mixed)
USB Ports	6 x USB 2.0

Feature	Specification
SATA Interface	3 x SATA 2.0
Network Card	RTL8111HN Gigabit Network Card
Video Card Slot	1 x PCIe16
Extended Interface	1 x PCIe1, 1 x M.2
Built-in Battery	CR2032 x 1 (240mAh)
Material	PCB, Metal
Design Features	Full board solid capacitor design, power supply cooling block

WARRANTY AND SUPPORT

Warranty Information

This SUNGOOYUE X79G Motherboard comes with a manufacturer warranty for 90 days from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

The warranty does not cover damage caused by improper installation, misuse, accidents, unauthorized repairs, or modifications.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact your retailer or the SUNGOOYUE customer support. Refer to the product packaging or the seller's information for contact details.

You can also visit the official SUNGOOYUE store on Amazon for more product information and support resources: [SUNGOOYUE Store](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0GPXKQ5XG>

More documents and user manuals: <https://manuals.plus/>