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› SUNGOOYUE X79G Motherboard User Manual - LGA 2011, DDR3, X79 Chipset, Gigabit LAN

SUNGOOYUE X79G

SUNGOOYUE X79G Motherboard User Manual

Model: X79G | Brand: SUNGOOYUE

1. PRODUCT OVERVIEW

The SUNGOOYUE X79G Motherboard is designed for high-performance computing, supporting LGA 2011 processors and DDR3 memory. It features an X79 chipset, providing robust performance for demanding tasks such as gaming and content creation. Key features include high-speed data transfer with PCIe 3.0, M.2 SSD support for ultra-fast storage, and a Gigabit RTL8111HN network adapter for stable internet connectivity. Its durable design incorporates solid capacitors and an efficient power cooling block for long-term reliability.

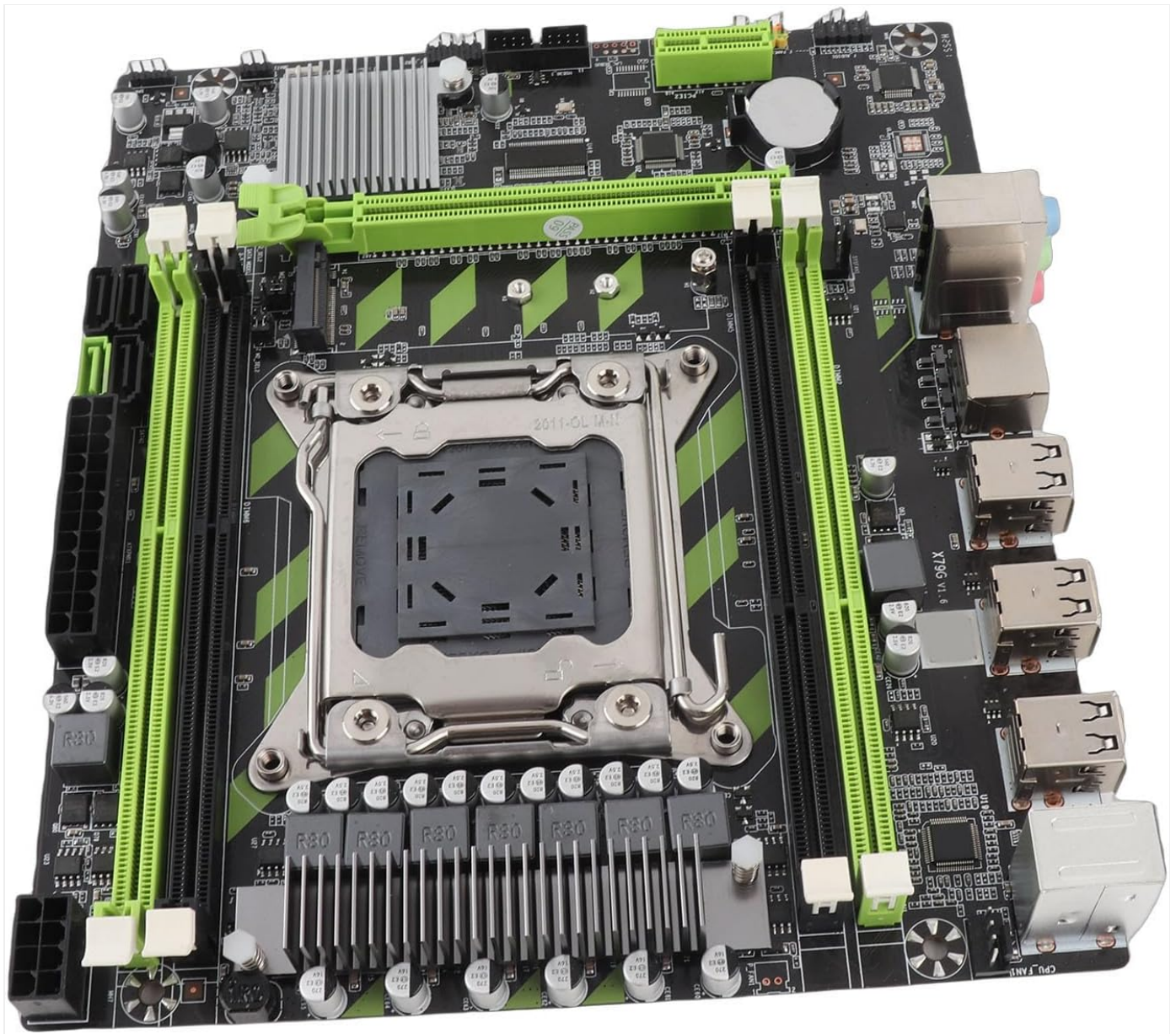


Image 1.1: Top-down view of the SUNGOOYUE X79G Motherboard. This image highlights the central LGA 2011 CPU socket, surrounded by four DDR3 memory slots (two on each side), multiple PCIe expansion slots, and various connectors for power and peripherals. The board features a black PCB with green accents on the RAM and PCIe slots.

2. INSTALLATION AND SETUP

Follow these steps to properly install your SUNGOOYUE X79G Motherboard and its components. Ensure your system is powered off and unplugged before beginning installation.

2.1. Motherboard Installation

1. **Prepare the PC Case:** Ensure your PC case is compatible with ATX motherboards and has standoffs installed in the correct positions.
2. **Install I/O Shield:** Snap the I/O shield into the rear opening of your PC case.
3. **Mount Motherboard:** Carefully place the motherboard into the case, aligning the screw holes with the standoffs. Secure it with screws.

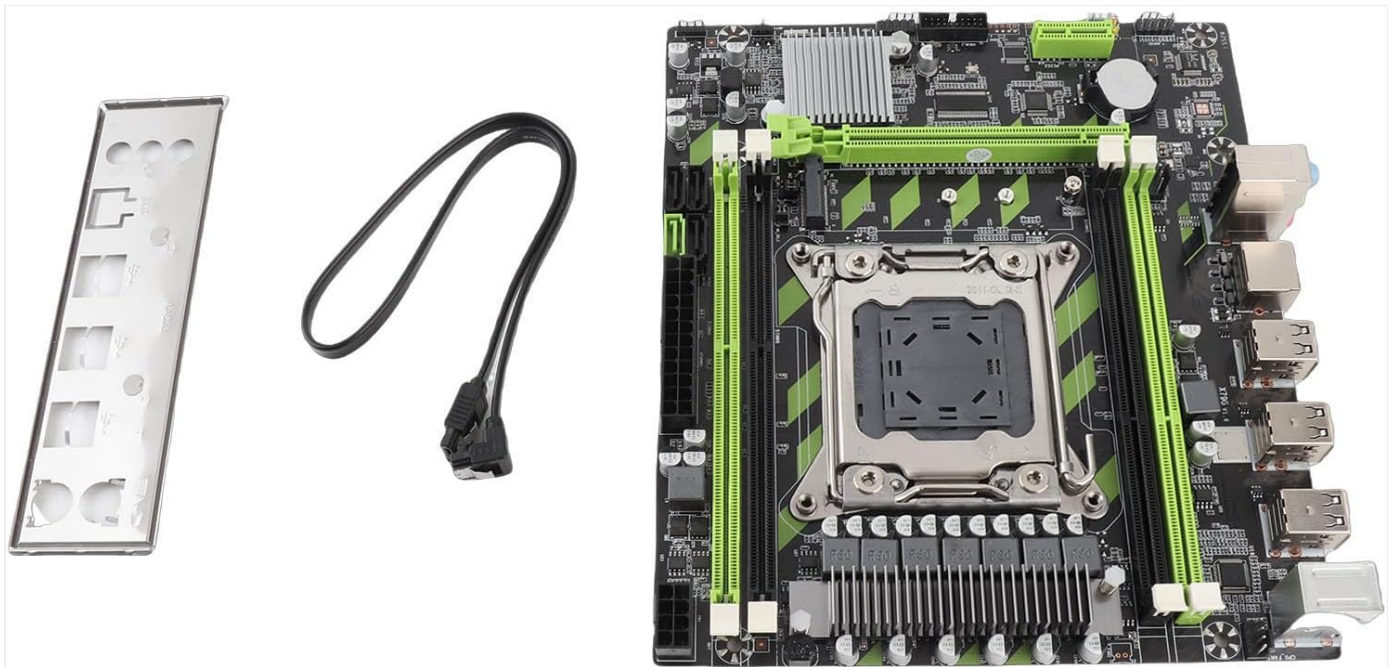


Image 2.1: Motherboard with included accessories. This image displays the SUNGOOYUE X79G Motherboard alongside its metal I/O shield and a SATA data cable, which are typically included for system assembly.

2.2. CPU Installation (LGA 2011)

1. **Open CPU Socket:** Release the two retention levers on the LGA 2011 socket and lift the metal load plate.
2. **Insert CPU:** Carefully align the triangular mark on the CPU with the corresponding mark on the socket. Gently place the CPU into the socket without forcing it.
3. **Close CPU Socket:** Lower the load plate and secure it by pushing down the two retention levers until they click into place.
4. **Install CPU Cooler:** Apply thermal paste (if not pre-applied) and install your compatible LGA 2011 CPU cooler according to its instructions.

2.3. Memory (RAM) Installation

The X79G motherboard supports DDR3 memory across four slots, up to 128GB. It supports both ordinary server memory and ECC memory, but they cannot be mixed.

1. **Open RAM Slot Clips:** Push open the clips at both ends of the DDR3 memory slots.
2. **Insert RAM Modules:** Align the notch on the DDR3 RAM module with the key in the memory slot. Press down firmly on both ends of the module until the clips snap into place.
3. **Dual Channel Configuration:** For optimal performance, install memory modules in matching pairs (e.g., slots 1 and 3, or 2 and 4). Refer to the motherboard diagram for specific slot numbering.

2.4. Graphics Card (GPU) Installation

This motherboard is equipped with PCIe 3.0 slots, supporting RX series graphics cards and a full range of PCIe interface GPUs.

1. **Open PCIe Slot Latch:** Locate the primary PCIe x16 slot and open the retention latch at the end of the slot.
2. **Insert GPU:** Align your graphics card with the PCIe slot and press down firmly until it is fully seated and the latch clicks into place.
3. **Secure GPU:** Secure the graphics card to the PC case with a screw.
4. **Connect Power:** Connect any necessary PCIe power cables from your power supply to the graphics card.

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

The motherboard includes an M.2 SSD interface for ultra-fast storage solutions. Standard SATA drives are also supported.

1. **M.2 SSD:** Locate the M.2 slot. Insert the M.2 SSD at an angle, then push it down and secure it with the provided screw.
2. **SATA Drives:** Connect SATA data cables from your SSDs/HDDs to the SATA ports on the motherboard. Connect SATA power cables from your power supply to the drives.

2.6. Power Supply Connections

1. **24-pin ATX Power:** Connect the main 24-pin ATX power cable from your power supply to the corresponding connector on the motherboard.
2. **8-pin CPU Power:** Connect the 8-pin (or 4+4-pin) CPU power cable to the connector near the CPU socket.

3. OPERATING INSTRUCTIONS

3.1. First Boot and BIOS Setup

1. **Power On:** After all components are installed and connected, connect your monitor, keyboard, and mouse. Power on your system.
2. **Access BIOS:** During startup, repeatedly press the designated key (usually DEL, F2, or F10) to enter the BIOS/UEFI setup utility.
3. **Configure Settings:**
 - Set the correct date and time.
 - Verify that all installed components (CPU, RAM, storage) are detected.
 - Configure boot order to prioritize your operating system drive.
 - Save changes and exit BIOS.

3.2. Operating System and Driver Installation

1. **Install OS:** Install your preferred operating system (e.g., Windows, Linux) from a bootable USB drive or DVD.
2. **Install Drivers:** After OS installation, install all necessary drivers for the motherboard components. This includes chipset drivers, LAN drivers (RTL8111HN Gigabit), audio drivers, and any specific drivers for your graphics card. Drivers are typically available on the manufacturer's website.



Image 3.1: Rear I/O Panel. This image displays the input/output ports located at the back of the motherboard, including multiple USB ports, a Gigabit Ethernet port, audio jacks, and legacy PS/2 ports for keyboard and mouse.

4. MAINTENANCE

4.1. Cleaning

- Regularly clean dust from the motherboard and components using compressed air.
- Ensure the system is powered off and unplugged before cleaning.
- Avoid using liquid cleaners directly on components.

4.2. BIOS Updates

- Check the SUNGOOYUE official website for the latest BIOS updates.
- Follow the specific instructions provided with the BIOS update file carefully. Incorrect BIOS flashing can damage the motherboard.

5. TROUBLESHOOTING

- **No Power:**
 - Check all power connections (24-pin ATX, 8-pin CPU, GPU power).
 - Ensure the power supply is switched on and connected to a working outlet.
- **No Display:**
 - Ensure the monitor is connected to the graphics card (not the motherboard's integrated graphics, as this board

does not have one).

- Reseat the graphics card and RAM modules.
- Try booting with only one RAM stick.

• **System Instability/Crashes:**

- Check CPU and GPU temperatures.
- Ensure RAM modules are correctly seated and compatible.
- Update all drivers to the latest versions.

• **Network Connectivity Issues:**

- Verify the Ethernet cable is securely connected.
- Install or update the RTL8111HN Gigabit LAN driver.
- Check network settings in your operating system.

6. SPECIFICATIONS

Feature	Detail
Brand	SUNGOOYUE
Model Name	X79G (SUNGOOYUE46n382uqby)
CPU Socket	LGA 2011
Chipset	X79
RAM Technology	DDR3
Max RAM Size	Up to 128 GB (4 slots)
Network Adapter	RTL8111HN Gigabit LAN
PCIe Support	PCIe 3.0 (for RX series GPUs and other PCIe devices)
Storage Interface	M.2 SSD, SATA
Material	PCB, Metal

7. WARRANTY INFORMATION

This product comes with a**90-day warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

8. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact SUNGOOYUE customer support. Refer to the official SUNGOOYUE website for contact details and additional resources.

Visit the [SUNGOOYUE Store on Amazon](#)

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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

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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