

Warmrmr Warmrmr

X99 Dual CPU Gaming Motherboard Set User Manual

Model: Warmrmr (X99 Dual CPU Gaming Motherboard Set E5 2680 V4 & DDR4 64GB)

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Warmrmr X99 Dual CPU Gaming Motherboard Set. This high-performance system is designed for server, gaming, and demanding computing tasks, featuring dual LGA2011-3 CPU sockets, support for DDR4 memory, and M.2 NVMe storage. Please read this manual thoroughly before proceeding with installation to ensure proper setup and optimal performance.

2. PRODUCT OVERVIEW

The Warmrmr X99 Dual CPU Motherboard is engineered for robust performance and expandability. It supports two Intel Xeon E5-2600 V3/V4 series processors, providing exceptional multi-core processing power. The included set typically features two E5 2680 V4 CPUs and 64GB (4x16GB) of DDR4 RAM, making it suitable for intensive applications.

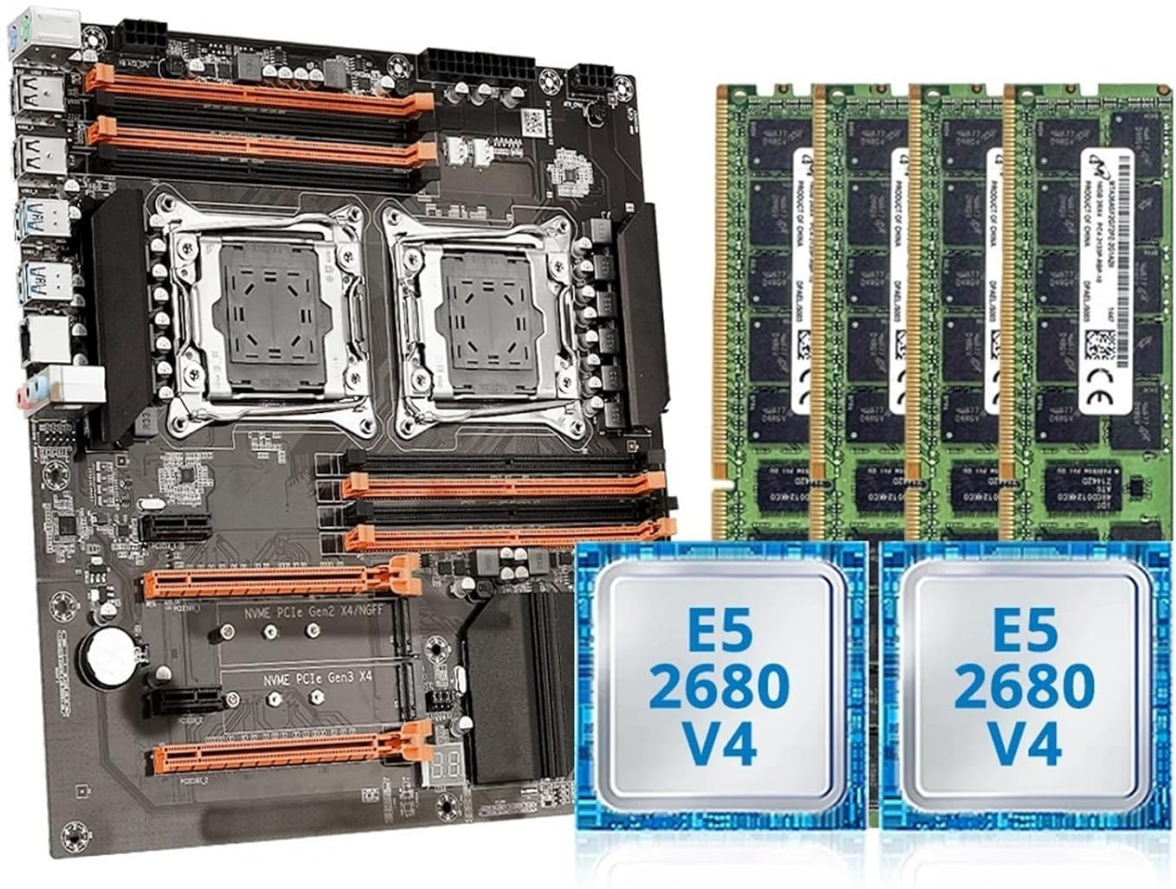
2.1 Key Components

- **Motherboard:** X99 Dual LGA2011-3 Socket Motherboard
- **CPUs:** Two Intel Xeon E5 2680 V4 Processors
- **RAM:** 64GB (4 x 16GB) DDR4 Memory Modules
- **Storage:** Multiple SATA 3.0 ports and M.2 NVMe slots for high-speed storage.
- **Expansion Slots:** PCIe x16 slots for graphics cards and other expansion cards.
- **Connectivity:** USB 3.0, USB 2.0, Gigabit Ethernet, and audio ports.

2.2 Visual Reference



Figure 2.2.1: Top-down view of the X99 Dual CPU Motherboard, showcasing the dual CPU sockets, DDR4 RAM slots, and PCIe expansion slots.



X99 Dual+E5 2680 V4*2+DDR4 16G*4(64G)

Figure 2.2.2: The complete X99 Dual CPU Motherboard set, including the motherboard, two E5 2680 V4 CPUs, and four 16GB DDR4 RAM modules.



Figure 2.2.3: Rear Input/Output (I/O) panel of the motherboard, showing various ports including USB, Ethernet, and audio jacks.

3. SETUP AND INSTALLATION

Before beginning installation, ensure your workspace is clean, well-lit, and static-free. It is recommended to use an anti-static wrist strap.

3.1 Preparing the Motherboard

1. Carefully remove the motherboard from its packaging.
2. Place the motherboard on a non-conductive surface, such as the anti-static bag it came in.

3.2 CPU Installation

The X99 motherboard features dual LGA2011-3 sockets. Install one CPU at a time.

1. Locate the CPU socket lever(s) and gently push down and out to release.
2. Lift the load plate.
3. Align the CPU (Intel Xeon E5 2680 V4) with the socket, ensuring the gold triangle on the CPU matches the

triangle on the socket. Do not force the CPU into place.

4. Lower the load plate and secure it with the lever(s).
5. Repeat for the second CPU socket.
6. Apply thermal paste to the top of each CPU and install compatible CPU coolers (not included in all bundles).

3.3 RAM Installation

The motherboard supports DDR4 memory. Refer to the motherboard's silkscreen for recommended slot population order for optimal dual-channel or quad-channel performance.

1. Open the clips at both ends of the DIMM slot.
2. Align the notch on the DDR4 memory module with the key in the DIMM slot.
3. Press down firmly on both ends of the memory module until the clips snap into place.
4. Install all four 16GB DDR4 modules provided.

3.4 M.2 SSD Installation (Optional)

The motherboard includes M.2 slots for high-speed NVMe SSDs.

1. Locate the M.2 slot(s) on the motherboard.
2. Remove the M.2 standoff screw.
3. Insert the M.2 SSD into the slot at a 30-degree angle.
4. Gently push down the SSD and secure it with the standoff screw.

3.5 Motherboard Installation into Case

1. Install the I/O shield into the rear opening of your computer case.
2. Align the motherboard with the standoffs inside the case.
3. Secure the motherboard with screws, ensuring all standoffs are used.

3.6 Power Supply and Peripheral Connections

1. Connect the 24-pin ATX power connector from your power supply to the motherboard.
2. Connect the 8-pin (or 4+4 pin) EPS 12V CPU power connectors to the motherboard (two are required for dual CPUs).
3. Connect SATA data cables to your storage drives and SATA power cables from your power supply.
4. Connect front panel headers (power button, reset button, USB, audio) according to your case manual and motherboard silkscreen.
5. Install your graphics card(s) into the PCIe x16 slot(s) and connect necessary PCIe power cables.



Figure 3.6.1: The motherboard shown with some included accessories, such as CPU cooler mounting brackets and SATA cables, which are essential for a complete setup.

4. OPERATING INSTRUCTIONS

4.1 Initial Boot-Up

1. After all components are installed and connected, ensure all cables are secure.
2. Connect your monitor, keyboard, and mouse.
3. Turn on the power supply and then press the power button on your computer case.
4. The system should power on and display the BIOS/UEFI splash screen.

4.2 BIOS/UEFI Configuration

To enter the BIOS/UEFI setup, typically press the **DEL** or **F2** key during boot-up. Common settings to check include:

- **Boot Order:** Set the primary boot device (e.g., USB drive for OS installation, then your SSD/HDD).
- **SATA Mode:** Ensure it's set to AHCI for optimal SSD performance.

- **Memory Settings:** Verify that the installed RAM is detected correctly and running at its rated speed.
- **CPU Settings:** Confirm both CPUs are recognized.

4.3 Operating System Installation

Once BIOS/UEFI is configured, proceed with installing your preferred operating system (e.g., Windows, Linux) from a bootable USB drive or DVD.

5. MAINTENANCE

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

5.1 Cleaning

- Periodically clean dust from inside your computer case, especially from CPU coolers, GPU fans, and case fans, using compressed air.
- Ensure the system is powered off and unplugged before cleaning.
- Do not use liquid cleaners directly on components.

5.2 BIOS/UEFI Updates

Check the manufacturer's website for updated BIOS/UEFI versions. Updates can improve compatibility, stability, and performance. Follow the specific instructions provided by the motherboard manufacturer for updating the BIOS/UEFI to avoid system damage.

5.3 Component Checks

- Ensure all cables (power, data) are securely connected.
- Verify that CPU coolers are properly seated and fans are spinning.
- Monitor system temperatures using software utilities to prevent overheating.

6. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, refer to the support section.

6.1 No Power / No Boot

- **Check Power Connections:** Ensure the 24-pin ATX and 8-pin EPS 12V CPU power cables are firmly connected to the motherboard and power supply.
- **Power Supply:** Verify the power supply switch is in the 'ON' position. Test with a known good power supply if possible.
- **Front Panel Headers:** Double-check the power button header connection on the motherboard.
- **Minimal Boot:** Disconnect all non-essential components (graphics card, extra drives) and try booting with only one CPU, one RAM stick, and the necessary power connections.

6.2 No Display Output

- **Graphics Card:** Ensure the graphics card is fully seated in its PCIe slot and any required PCIe power cables are connected.
- **Monitor Connection:** Verify the display cable (HDMI, DisplayPort, DVI) is securely connected to both the graphics card and the monitor.
- **RAM:** Reseat the RAM modules. Incorrectly seated RAM is a common cause of no display.

6.3 System Instability / Crashes

- **Overheating:** Check CPU and GPU temperatures. Ensure CPU coolers are properly installed and fans are functioning.
- **RAM Issues:** Run a memory diagnostic tool (e.g., MemTest86) to check for faulty RAM modules.
- **Driver Issues:** Ensure all device drivers (chipset, graphics, network) are up to date.
- **Power Supply:** An insufficient or failing power supply can cause instability.

7. SPECIFICATIONS

Feature	Detail
Model Name	Warmmr (X99 Dual CPU Gaming Motherboard Set)
Brand	Warmmr
ASIN	B0FCC14SLD
Manufacturer	Warmmr
First Available	June 7, 2025
Package Dimensions	0.39 x 0.39 x 0.39 inches; 1.1 Pounds
CPU Sockets	Dual LGA2011-3
Included CPUs	2 x Intel Xeon E5 2680 V4
Memory Type	DDR4
Included RAM	64GB (4 x 16GB)
Storage Interfaces	SATA 3.0, M.2 NVMe

8. WARRANTY AND SUPPORT

For any questions or technical assistance regarding your Warmmr X99 Dual CPU Gaming Motherboard Set, please contact our support team. The manufacturer offers 24-hour online support to address your inquiries.

While specific warranty terms are not detailed in this manual, please retain your proof of purchase for any warranty claims. For the most current warranty information, please refer to the seller's or manufacturer's official channels.

Contact Support: Please refer to the contact information provided at the point of purchase or on the manufacturer's official website for 24-hour online support.