Genérico ZSUS X79 VG2

ZSUS-X79 VG2 Motherboard Kit User Manual

Model: ZSUS X79 VG2 | Brand: Genérico (ZSUS)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the ZSUS-X79 VG2 Motherboard Kit. This kit includes the ZSUS-X79 VG2 Motherboard, an Intel LGA2011 Xeon E5 2689 C2 CPU, and 1 x 16 GB 1600MHz ECC DDR3 RAM memory.

The ZSUS-X79 VG2 Motherboard is designed to support Intel LGA2011 V1/V2 Series Processors and features a H61 chipset. It offers dual-channel DDR3 memory support, NVMe M.2, and SATA connectivity, making it suitable for various computing needs.

Figure 1.1: Overview of the ZSUS-X79 VG2 Motherboard Kit components.

2. PRODUCT COMPONENTS

The ZSUS-X79 VG2 Motherboard Kit typically includes the following items:

- ZSUS-X79 VG2 Motherboard
- Intel LGA2011 Xeon E5 2689 C2 Processor

- 1 x 16 GB 1600MHz ECC DDR3 RAM Module

Figure 2.1: ZSUS-X79 VG2 Motherboard Kit showing the motherboard, CPU, and RAM module.

3. SETUP GUIDE

3.1. Preparation

- Ensure you have a clean, static-free workspace.
- Gather necessary tools: Phillips head screwdriver, zip ties (optional for cable management).
- Discharge static electricity by touching a grounded metal object before handling components.

3.2. Motherboard Installation

1. Align the motherboard with the standoffs inside your computer case.
2. Secure the motherboard using screws, ensuring it is firmly seated.

3.3. CPU Installation (Intel LGA2011)

1. Gently open the CPU socket retention arm.
2. Carefully place the Intel Xeon E5 2689 C2 CPU into the LGA2011 socket, aligning the gold triangle on the CPU with the triangle on the socket. Do not force the CPU.
3. Close the retention arm to secure the CPU.
4. Apply a thin, even layer of thermal paste to the top of the CPU.
5. Install the CPU cooler according to its manufacturer's instructions.

3.4. RAM Installation (DDR3)

1. Locate the DDR3 memory slots on the motherboard. The ZSUS-X79 VG2 has 4 DDR3 slots.
2. Open the clips at both ends of the memory slot.
3. Align the notch on the 16GB DDR3 RAM module with the key in the memory slot.
4. Press down firmly on both ends of the RAM module until the clips snap into place.

3.5. Storage Installation (NVMe M.2 & SATA)

- **NVMe M.2:** Locate the M.2 slot. Insert your NVMe M.2 SSD at an angle and then gently push it down, securing it with the provided screw.
- **SATA Devices:** Connect your SATA SSDs or HDDs to the SATA 2.0 ports using SATA data cables. Connect the power cables from your power supply to these devices.

3.6. Power Connections

- Connect the 24-pin ATX power connector from your power supply to the main power socket on the motherboard.
- Connect the 8-pin CPU power connector (ATX 12V) from your power supply to the corresponding socket near the CPU.

3.7. Peripheral Connections
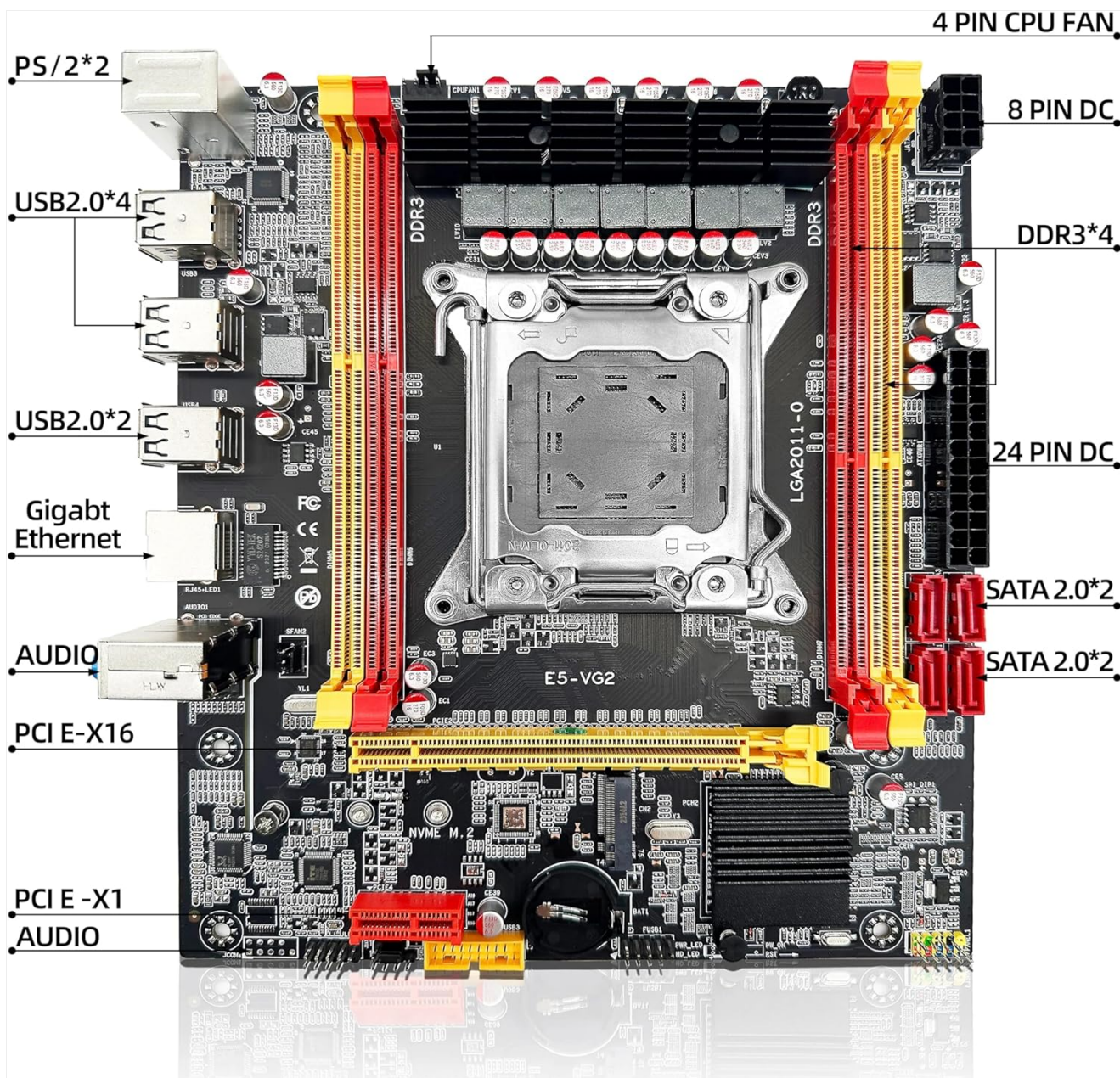
Refer to the diagram below for common port locations:

Figure 3.1: ZSUS-X79 VG2 Motherboard layout with labeled ports and connectors.

- **USB Ports:** Connect USB devices to the available USB 2.0 ports (6 total).
- **Audio:** Connect speakers, headphones, or microphones to the audio jacks (LINE OUT, LINE IN).
- **Ethernet:** Connect an Ethernet cable to the Gigabit Ethernet port for network access.
- **PCIe Slots:** Install graphics cards or other expansion cards into the PCIe x16 or PCIe x1 slots.
- **Front Panel Connectors:** Connect your case's front panel cables (power button, reset button, USB, audio) to the corresponding headers on the motherboard. Consult your case manual for specific pin assignments.

4. OPERATING INSTRUCTIONS

4.1. First Boot

1. After assembling all components, connect your monitor, keyboard, and mouse.
2. Connect the power cord to your power supply and turn on the power switch.
3. 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 Setup

To enter the BIOS/UEFI setup utility, press the designated key (commonly**DEL** or **F2**) repeatedly during the initial boot sequence. In the BIOS, you can configure boot order, system time, and other hardware settings.

4.3. Operating System Installation

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

5. MAINTENANCE

- **Dust Removal:** Regularly clean dust from inside your computer case, especially from fans and heatsinks, using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Driver Updates:** Keep your motherboard drivers (chipset, audio, LAN) and graphics card drivers updated for optimal performance and stability. Visit the manufacturer's website for the latest drivers.
- **BIOS Updates:** Only update the BIOS if necessary (e.g., for new CPU support, bug fixes, or stability improvements). Follow the manufacturer's instructions carefully, as an improper BIOS update can damage the motherboard.
- **Cable Management:** Ensure cables are neatly routed to improve airflow and prevent interference.

6. TROUBLESHOOTING

- **No Power:** Check all power connections (24-pin ATX, 8-pin CPU, power supply switch, wall outlet). Ensure the case's power button is correctly connected to the motherboard.
- **No Display:** Ensure the monitor is connected to the graphics card (if installed) or integrated graphics port. Reseat the graphics card and RAM modules. Check monitor input selection.
- **System Beeps:** A series of beeps during startup usually indicates a hardware issue. Consult your motherboard's specific beep codes (if available) or common POST beep codes to diagnose the problem (e.g., RAM, CPU, GPU).
- **Component Not Detected:** If a component (e.g., SSD, RAM, PCIe card) is not detected, ensure it is properly seated and connected. Try reseating it or testing it in a different slot if available.
- **Operating System Issues:** If the OS fails to boot, try booting into Safe Mode or using recovery options. Ensure boot order is correct in BIOS.

7. SPECIFICATIONS

The following table outlines the key technical specifications for the ZSUS-X79 VG2 Motherboard Kit:

Feature	Specification
Model	ZSUS X79 VG2
CPU Socket	Intel LGA2011 V1/V2 Series Processor
Chipset	H61 chipset series
Memory Type	DDR3 (ECC REG supported)
Memory Slots	4 x DDR3
Memory Frequency	1066/1333/1600/1866MHz

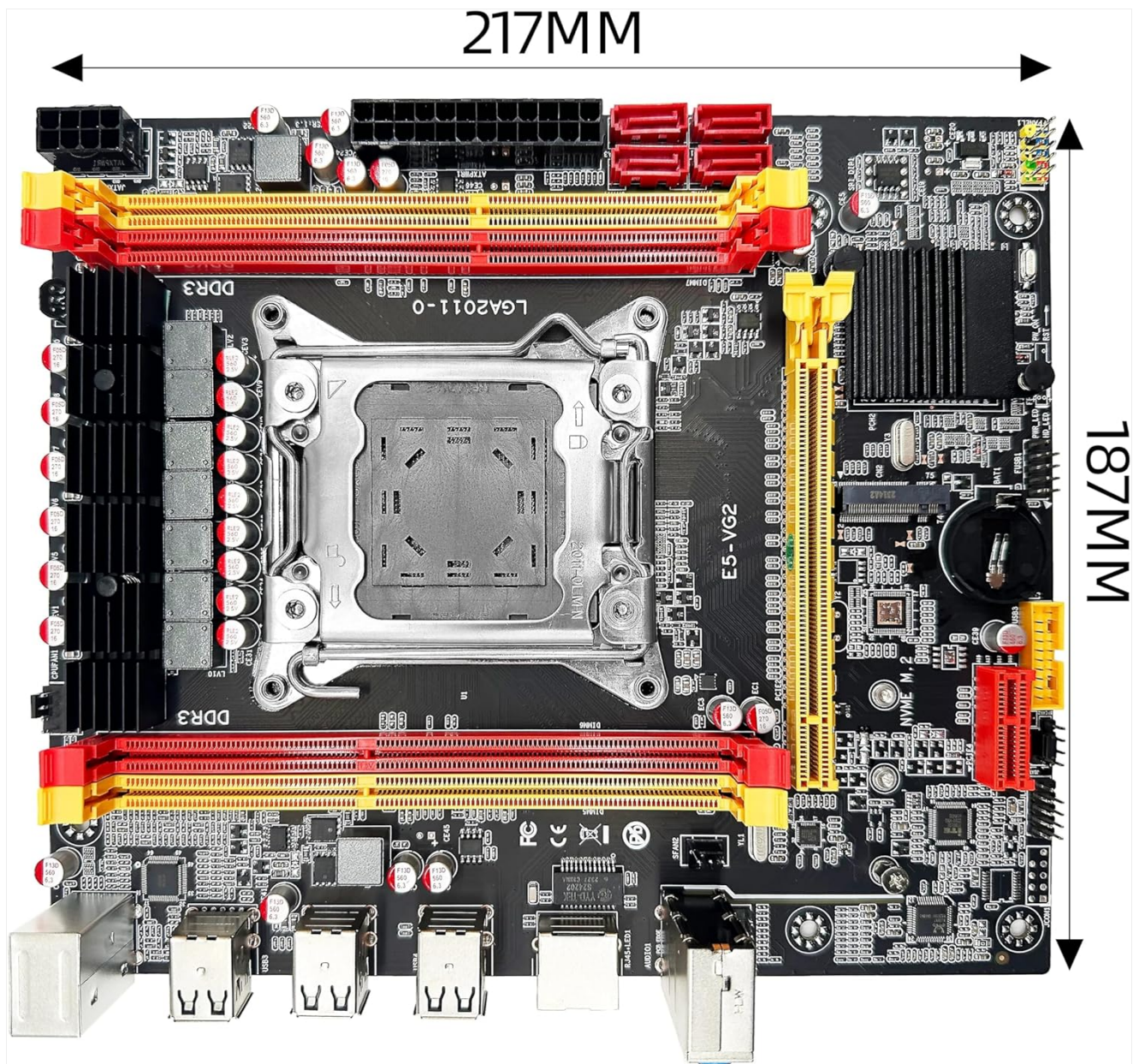| Feature	Specification
Max. Memory Capacity	128GB
Audio	1 x Audio interface (LINE OUT, LINE IN)
Ethernet	1 x Gigabit Ethernet Realtek card
USB Interface	6 x USB 2.0 (4 rear, 2 via internal header)
PCIe Slots	2 x PCIe x16, 1 x PCIe x1
SATA Ports	4 x SATA 2.0
M.2 Port	1 x M.2 Port (PCIE M.2 or SATA M.2 Compatible)
Power Connectors	1 x 24-pin ATX, 1 x 8-pin ATX 12V
Dimensions	217 x 187 mm

Figure 7.1: ZSUS-X79 VG2 Motherboard dimensions.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the seller directly. Keep your proof of purchase for warranty claims.

Related Documents

[Juego Sincronizador Motores Audi, Seat, Skoda, Volkswagen YT-06024 - Herramientas Automotriz](#)
Ficha técnica del juego de sincronización de motores para autos Audi, Seat, Skoda y Volkswagen (YT-06024). Incluye 16 piezas de acero carbono para sistemas de distribución de gasolina.

[Adaptador de Corriente Ajustable Carbone TS086 - Ficha Técnica](#)
Ficha técnica del adaptador de corriente universal Carbone TS086. Voltaje ajustable (3V-12V), 30W de potencia, 2.5A, salida USB, múltiples conectores. Ideal para electrónica de consumo.