Yanmis Yanmis6hro83xnud

Yanmis H81 DDR3 Motherboard User Manual

Model: Yanmis6hro83xnud

1. Product Overview

The Yanmis H81 DDR3 Motherboard is designed for desktop computers, supporting LGA1150 pin 4th and 5th generation CPUs. It features an H81 chipset, two DDR3 DIMM slots for memory, and various expansion interfaces for building or upgrading a personal computer system.

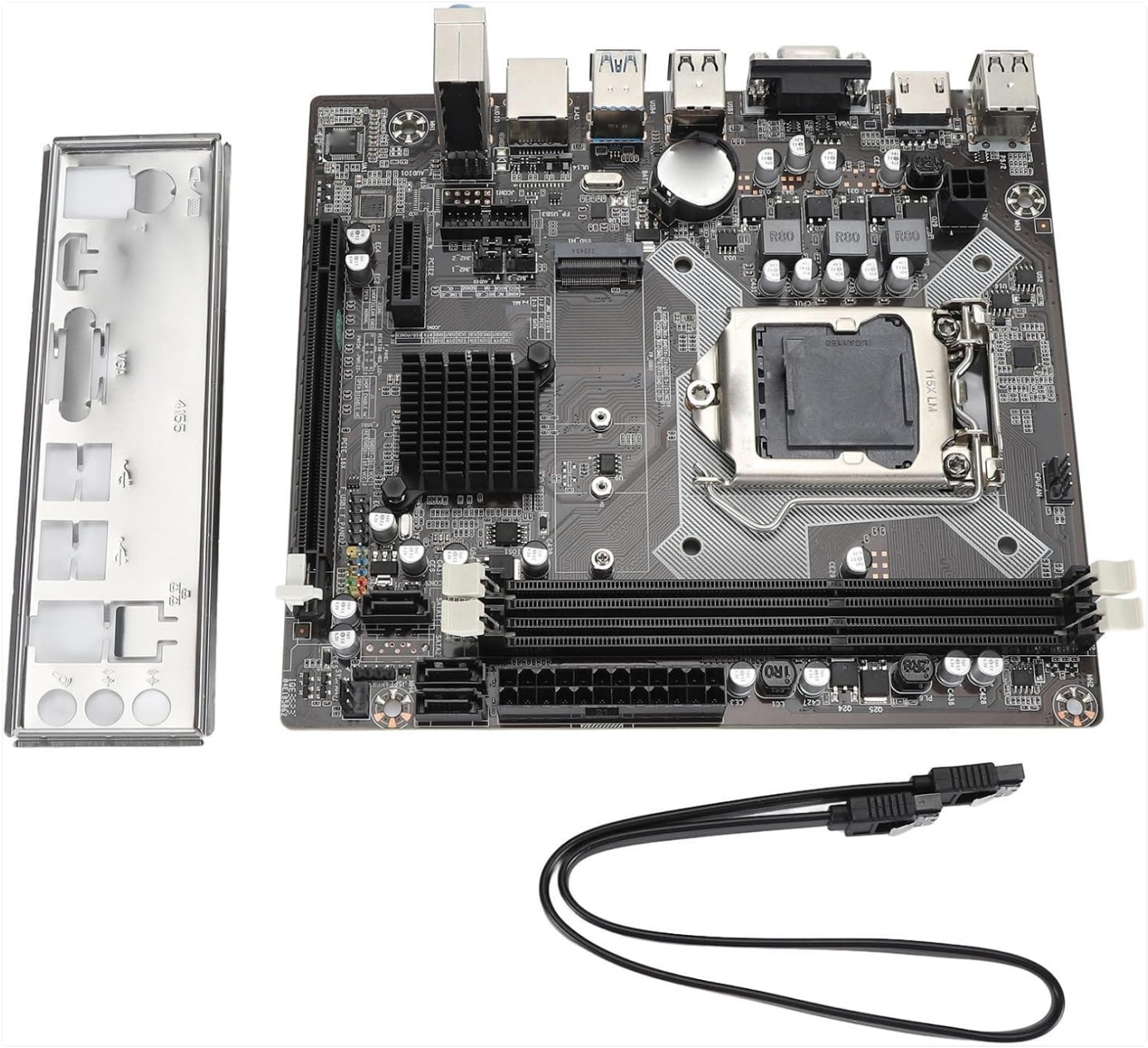

Figure 1.1: Yanmis H81 DDR3 Motherboard, including the I/O shield and two SATA data cables.

Key features include an integrated RTL8105E 100MB network card, a 6-channel sound chip, and a three-phase power supply for stable operation. It offers good compatibility and expansion capabilities without occupying excessive system memory.

2. Package Contents

Please verify that all items are present and in good condition upon opening the package:

- 1 x Yanmis H81 DDR3 Motherboard
- 1 x Metal I/O Plate (for rear panel)
- 1 x Connection Cable (SATA data cable)

3. Setup and Installation

This section provides instructions for installing the motherboard and its components into a computer case. Ensure your system is powered off and unplugged before beginning installation.

3.1. Motherboard Placement

1. Prepare your computer case by installing standoffs in the appropriate locations for the motherboard's form factor.
2. Install the metal I/O plate into the rear opening of your computer case.
3. Carefully align the motherboard with the standoffs and the I/O plate, then gently lower it into place.
4. Secure the motherboard with screws, ensuring it is firmly seated but not overtightened.

3.2. CPU Installation (LGA1150)

Figure 3.1: The LGA1150 CPU socket, ready for processor installation.

1. Open the CPU socket lever and lift the metal retention plate.
2. Carefully place your LGA1150 CPU into the socket, aligning the gold triangle on the CPU with the corresponding mark on the socket. Do not force the CPU.
3. Lower the metal retention plate and secure it with the lever.
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, ensuring proper contact and secure mounting.

3.3. Memory (RAM) Installation

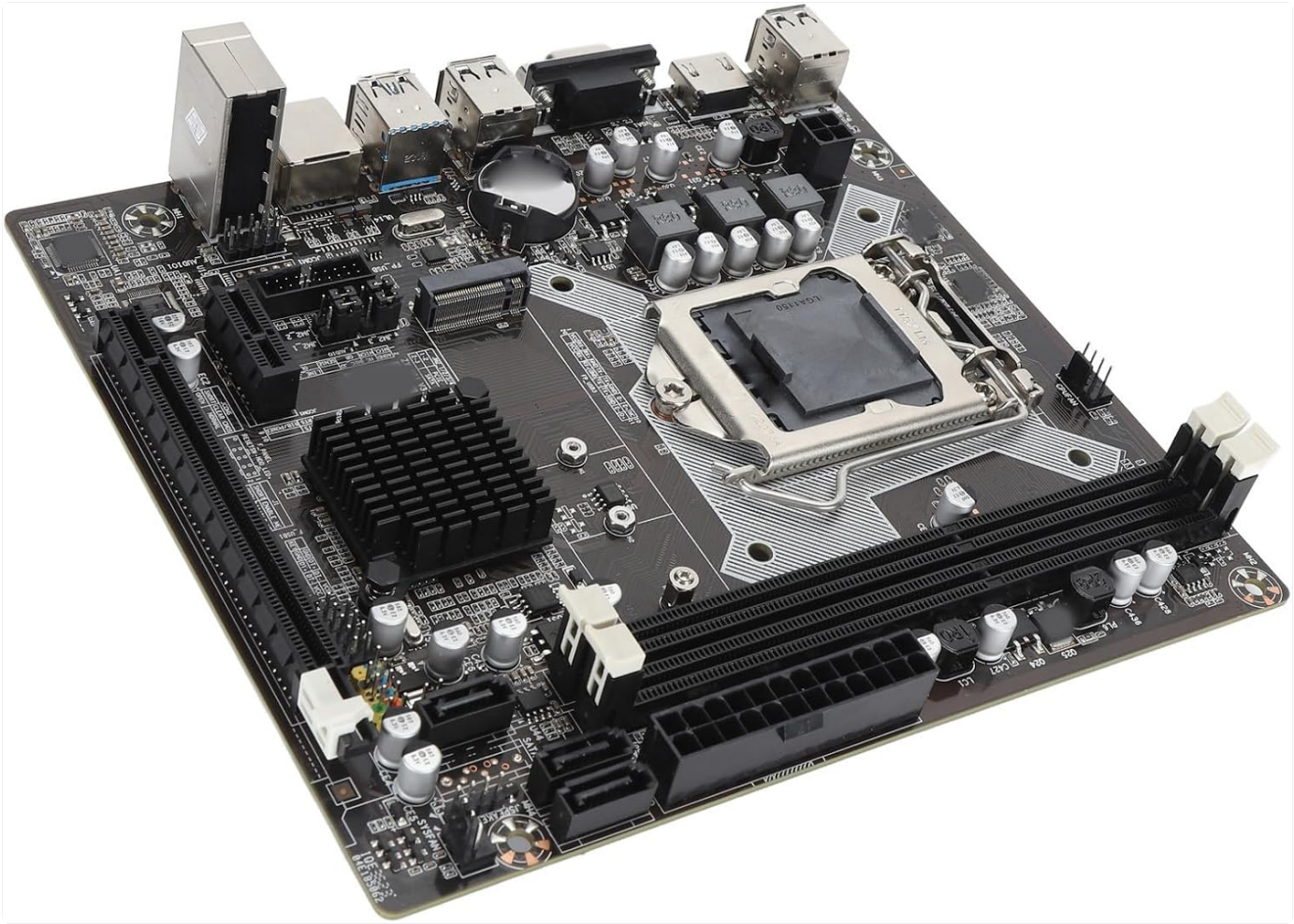

Figure 3.2: The two DDR3 DIMM slots and the 24-pin ATX power connector.

The motherboard features two DDR3 DIMM slots. Ensure your memory modules are DDR3 type with speeds of 1600/1333/1066 MHz.

1. Open the clips at both ends of the DIMM slot.
2. Align the notch on the DDR3 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.

3.4. Connecting Peripherals and Power

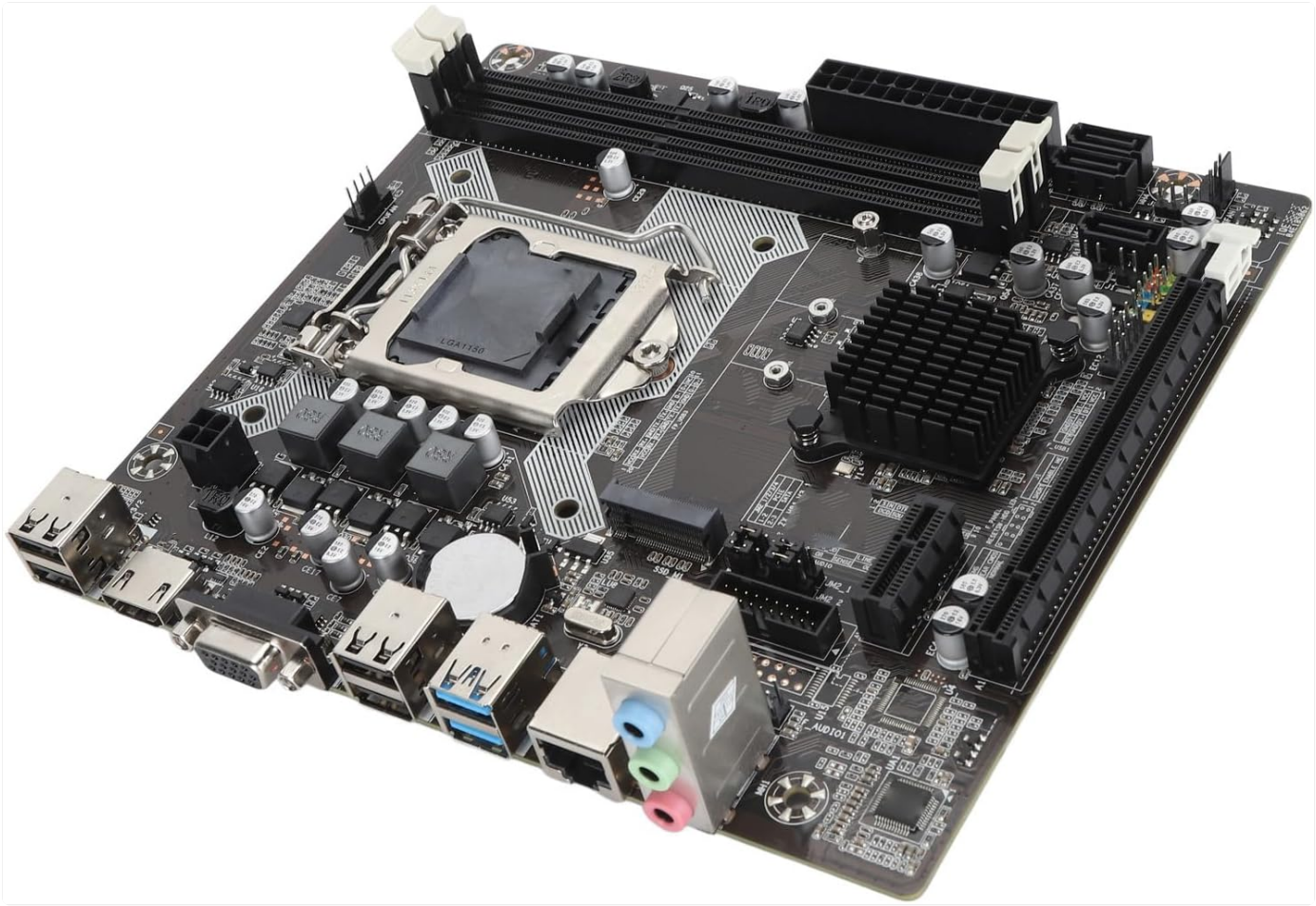

Figure 3.3: Rear I/O panel with USB, VGA, HD Multimedia Interface, LAN, and audio ports.

- **Power Connectors:** Connect the 24-pin ATX power connector and the 4-pin CPU power connector from your power supply to the motherboard.
- **Storage Devices:** Connect SATA data cables from your storage drives (HDD/SSD) to the 3 SATA2.0 ports on the motherboard. Connect power cables from your power supply to the drives.
- **Front Panel Connectors:** Connect the power button, reset button, HDD LED, power LED, and front panel USB/audio headers from your case to the corresponding pins on the motherboard. Refer to your case manual for specific pin assignments.
- **Graphics Card:** If using a dedicated graphics card, install it into the PCIEx16 slot and secure it. Connect any required PCIe power cables from your power supply.
- **Other Expansion Cards:** Install any additional PCIEx1 expansion cards as needed.
- **External Peripherals:** Connect your monitor to the VGA or HD Multimedia Interface port, and connect USB devices (keyboard, mouse) to the available USB ports. Connect your Ethernet cable to the RJ45 network interface.

4. Operating Instructions

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

1. Ensure all power cables are securely connected and the power supply switch is in the ON position.
2. Press the power button on your computer case.
3. The system should boot up. You may need to access the BIOS/UEFI setup (typically by pressing **DEL** or **F2** during startup) to configure boot order, system time, or other settings.
4. Install your operating system from a bootable USB drive or DVD.

5. Maintenance

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

- **Dust Removal:** Regularly clean the interior of your computer case, especially the motherboard and CPU cooler, using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Temperature Monitoring:** Monitor CPU and system temperatures to prevent overheating. Ensure adequate airflow within the case.
- **BIOS Updates:** Periodically check the manufacturer's website for BIOS updates. Only update the BIOS if necessary and follow the instructions carefully.
- **Physical Handling:** When handling the motherboard, always hold it by the edges and avoid touching components or connectors directly to prevent electrostatic discharge (ESD).

6. Troubleshooting

This section addresses common issues you might encounter.

- **No Power:**
  - Check if the power supply is switched on and connected to the motherboard (24-pin ATX and 4-pin CPU power).
  - Ensure the front panel power button cable is correctly connected to the motherboard header.
  - Test the power supply with another system or a power supply tester.
- **No Display:**
  - Verify that the monitor is connected to the correct video output (motherboard's VGA/HD Multimedia Interface or dedicated graphics card).
  - Reseat the RAM modules. Try booting with only one RAM stick.
  - If using a dedicated graphics card, reseat it and ensure any required PCIe power cables are connected.
  - Check if the CPU cooler is properly installed and its fan is spinning.
- **System Instability/Crashes:**
  - Check for overheating. Ensure CPU cooler is secure and case fans are working.
  - Run memory diagnostic tools to check for faulty RAM.
  - Ensure all drivers (chipset, graphics, etc.) are up to date.
- **Peripheral Not Detected:**
  - Ensure the peripheral is properly connected to the correct port.
  - Check device manager in your operating system for driver issues.
  - Try a different port or a different peripheral to isolate the problem.

7. Specifications

Detailed technical specifications for the Yanmis H81 DDR3 Motherboard.

Feature	Specification
Model	Yanmis6hro83xnud
Chipset	For H81 Chipset Series
CPU Support	LGA1150 pin 4th/5th Generation CPU (Supports 1 CPU)

Feature	Specification
Memory Type	DDR3 1600/1333/1066 MHz
Memory Slots	2 x DDR3 DIMM
Max Memory Capacity	16GB
Graphics Card Slot	1 x PCIEx16
Expansion Interfaces	1 x PCIEx1, 1 x M.2
SATA Interface	3 x SATA2.0 ports
USB Ports (Rear)	4 x USB2.0, 2 x USB3.0
Network Card	Gigabit LAN card (RTL8105E 100MB NIC integrated)
Audio Chip	6 channel sound chip integrated
Video Output	VGA, HD Multimedia Interface
Power Connectors	1 x 24-pin ATX, 1 x 4-pin CPU
Power Supply Phase	Three-phase
Built-in Battery	CR2032x1 240mAh
Dimensions (Package)	11.81 x 3.54 x 2.76 inches
Item Weight	1.21 pounds

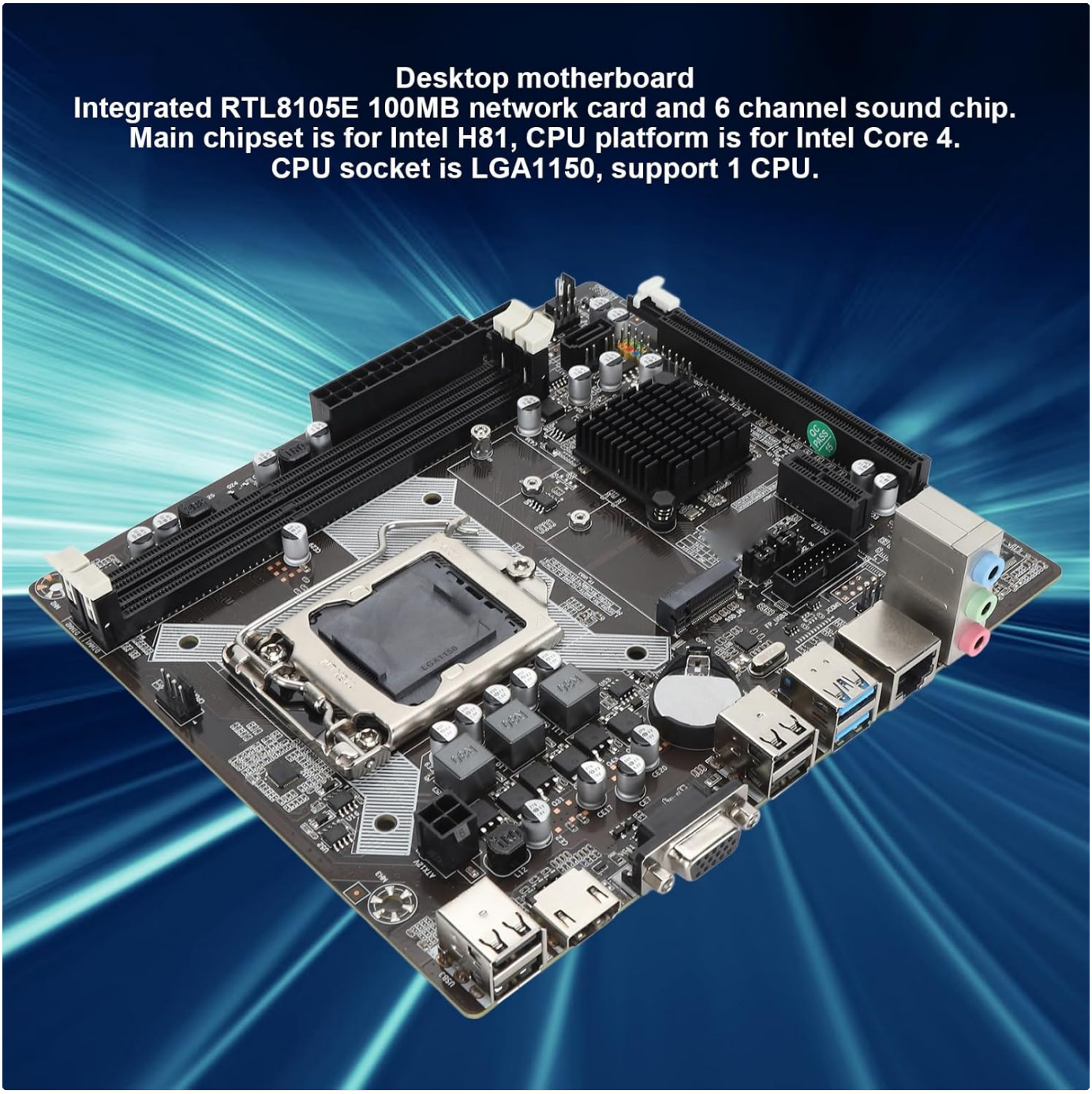

Figure 7.1: Overview of key integrated components and CPU support.

Figure 7.2: Details on memory and expansion slot configuration.

8. Warranty and Support

For warranty information, please refer to the documentation provided at the time of purchase or contact your seller directly. Support for this product is typically provided by the seller or manufacturer.
If you encounter issues not covered in the troubleshooting section, please contact the retailer or the manufacturer, Yanmis, for further assistance.

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