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Heayzoki A55FM1

Heayzoki A55 Desktop Motherboard User Manual

Model: A55FM1

Introduction Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Heayzoki A55 Desktop Motherboard. The A55 motherboard is designed to support a full range of processors with an FM1 interface, featuring an A55 chipset. It incorporates a Micro-ATX small board design with a 4-phase solid-state power supply for stable performance.
Key features include:

- Two dual-channel DDR3 memory slots.
- VGA and DVI video output interfaces.
- Integrated 6-channel audio chip.
- Four SATA2 interfaces for hard drives.
- Eight USB 2.0 interfaces (four expandable).
- PCI-E X16 graphics card slot and a PCI-E X1 slot for expansion.
- PS/2 mouse and keyboard interfaces.

Figure 1: Overview of the Heayzoki A55 Desktop Motherboard.

2. Setup Instructions

Before beginning installation, ensure your computer is powered off and disconnected from the power source. Wear an anti-static wrist strap to prevent damage to components from static electricity.

2.1 Installing the CPU

1. Locate the FM1 CPU socket on the motherboard.
2. Gently lift the load lever on the CPU socket.
3. Align the CPU with the socket, ensuring the gold triangle on the CPU matches the triangle on the socket. Do not force the CPU into the socket; it should sit in place easily.
4. Lower the load lever to secure the CPU.

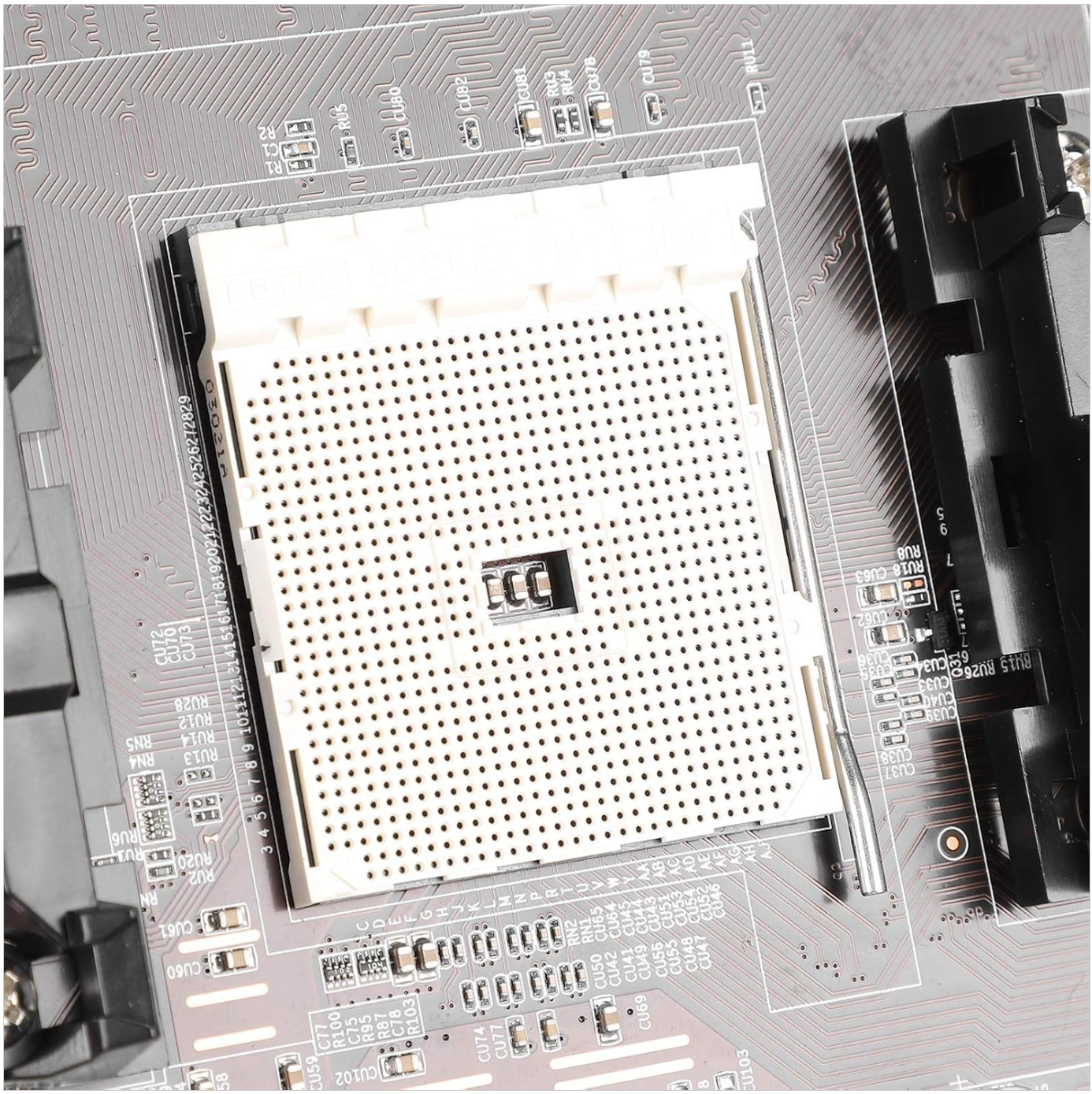

Figure 2: Close-up of the FM1 CPU socket.

2.2 Installing RAM (DDR3 Memory)

1. Open the clips at both ends of the DDR3 memory slots.
2. Align the RAM module with the slot, ensuring the notch on the RAM module matches the key in the slot.
3. Press down firmly on both ends of the RAM module until the clips snap into place.

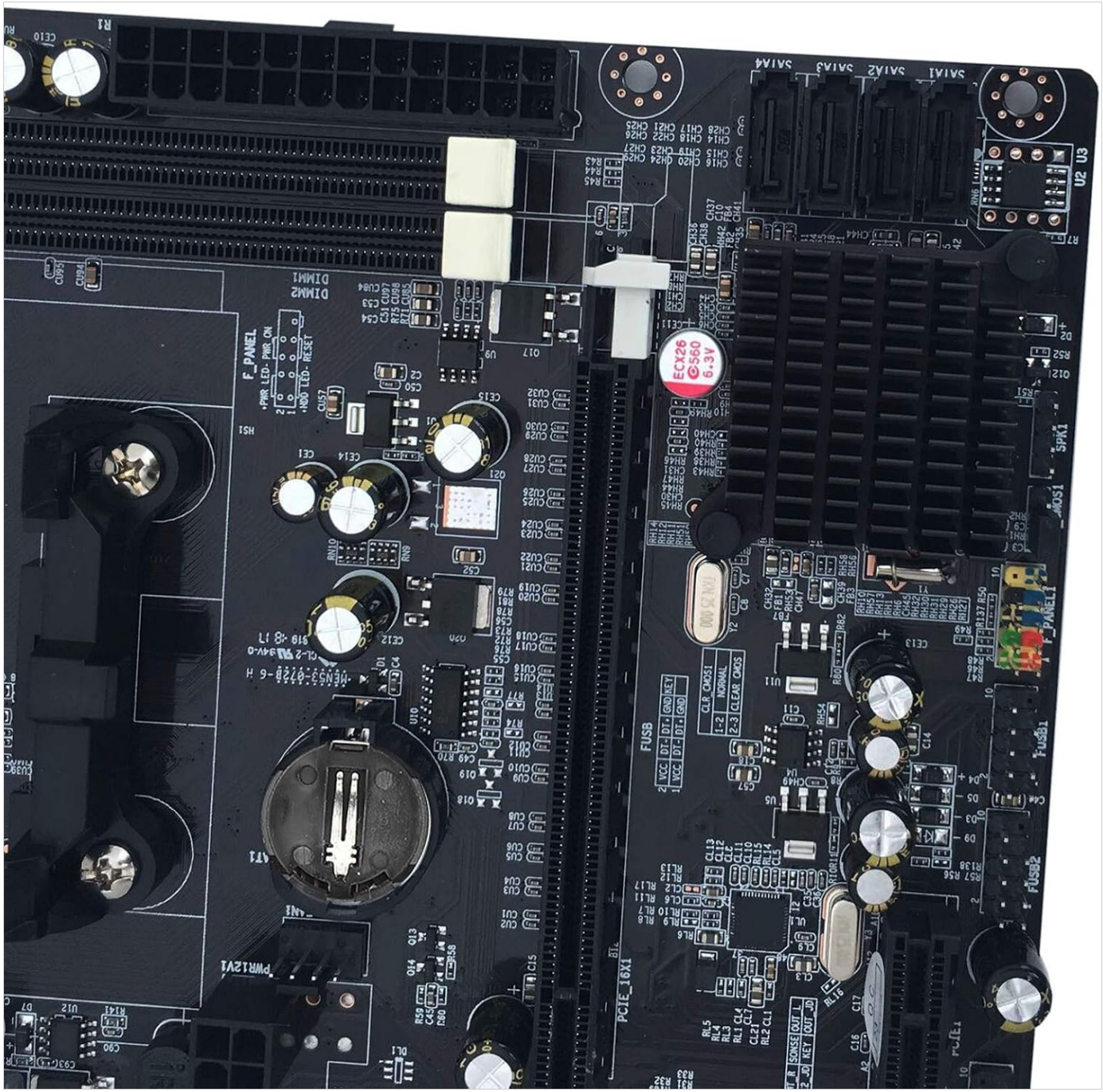

Figure 3: DDR3 memory slots and other components.

2.3 Connecting Power Supply

1. Connect the 24-pin ATX main power connector from your power supply unit (PSU) to the corresponding slot on the motherboard.
2. Connect the 4-pin or 8-pin CPU power connector (EPS12V) to the CPU power socket near the CPU.

2.4 Installing Storage Devices (SATA2)

1. Connect SATA data cables from your hard drives or SSDs to the SATA2 ports on the motherboard.
2. Ensure power cables from the PSU are connected to your storage devices.

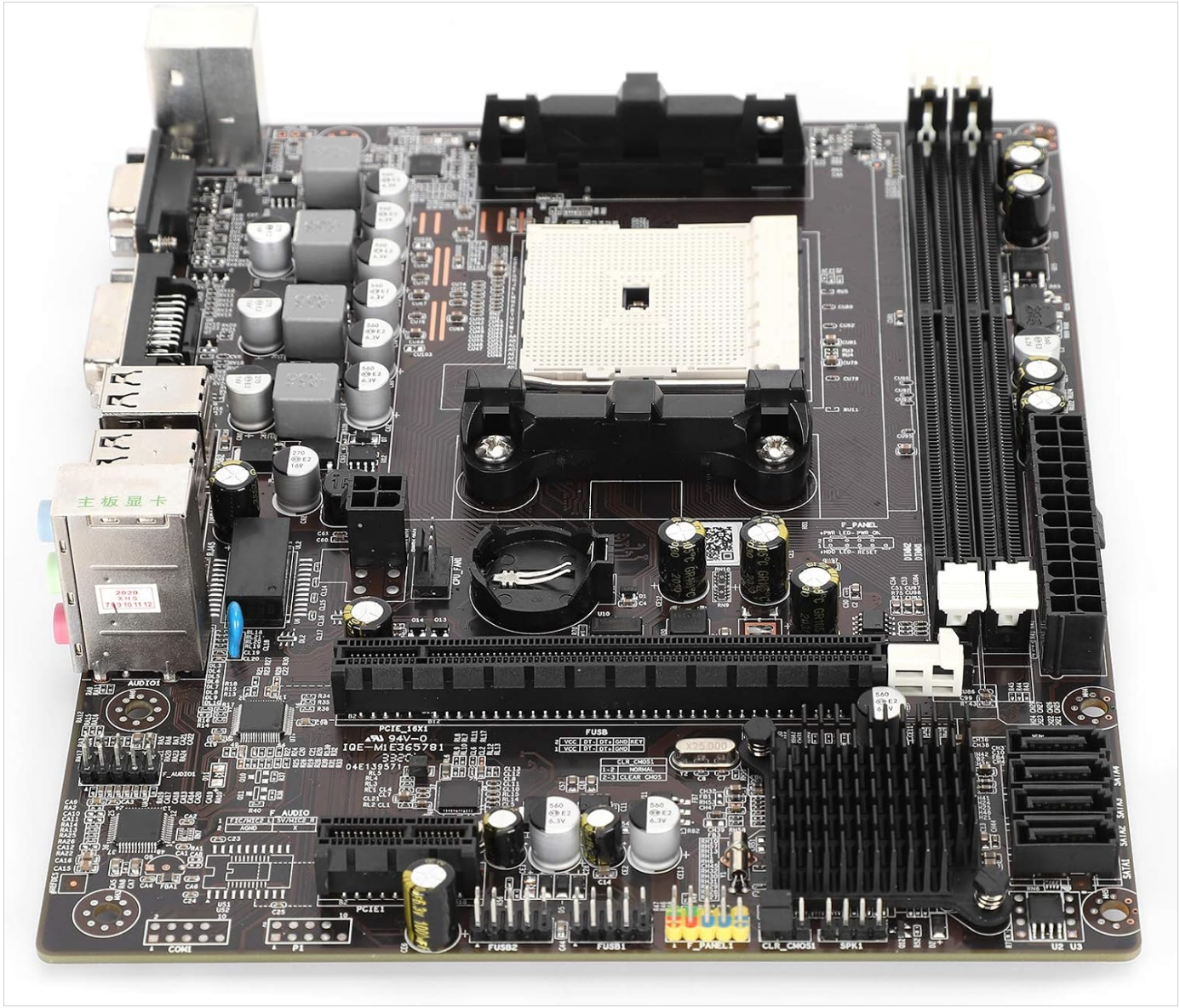

Figure 4: SATA2 ports and other motherboard connections.

2.5 Connecting Front Panel Connectors

Connect the power switch, reset switch, HDD LED, and power LED connectors from your computer case to the corresponding pins on the motherboard's front panel header. Refer to the motherboard's silkscreen labels for correct orientation.

2.6 Connecting Peripherals

Connect your keyboard and mouse to the PS/2 ports or USB 2.0 ports. Connect your monitor to the VGA or DVI output ports.

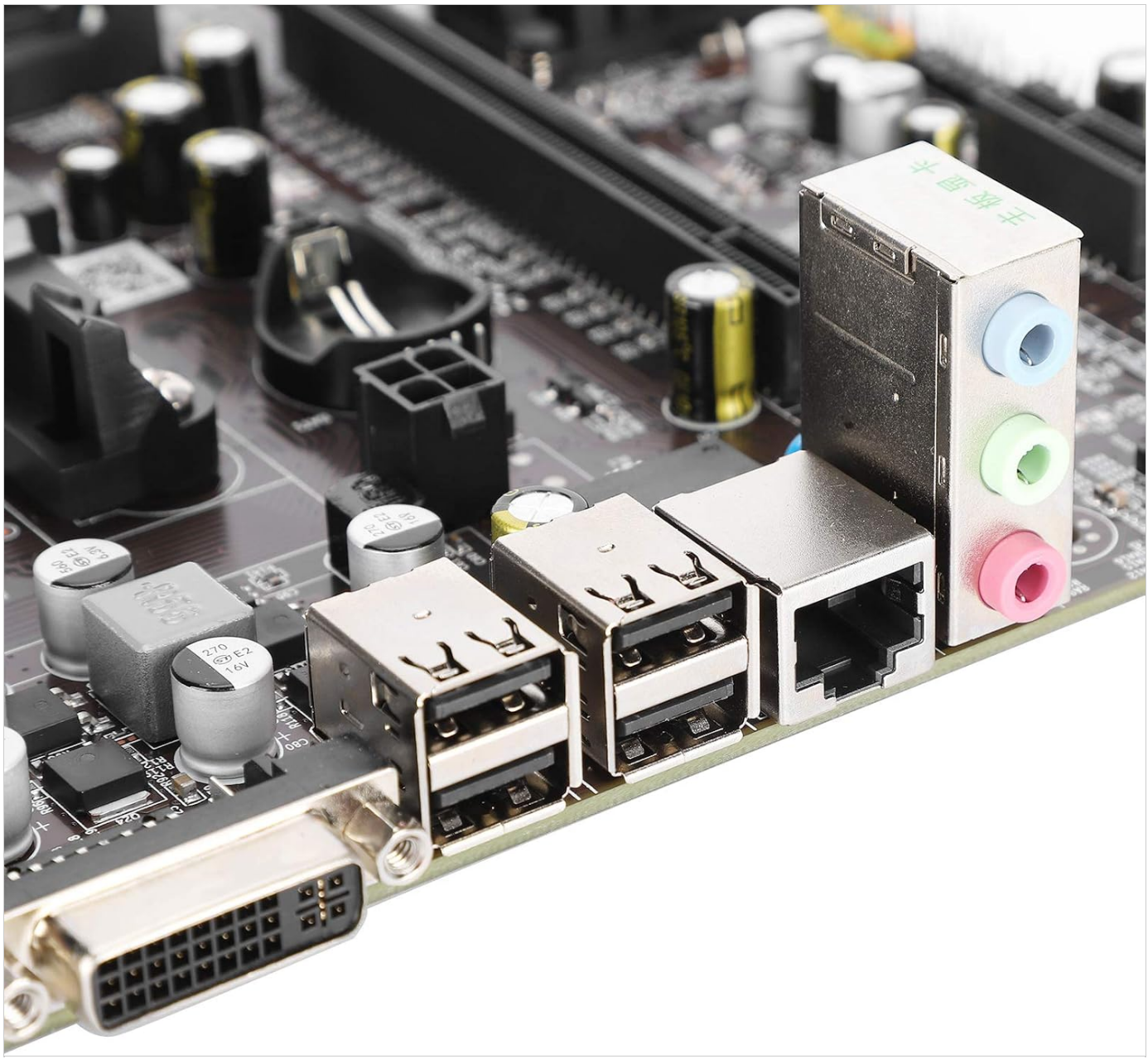

Figure 5: Rear I/O panel with USB, audio, and Ethernet ports.

Figure 6: PS/2 ports for keyboard and mouse, and VGA/DVI video output ports.

3. Operating Instructions

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

3.1 Initial Boot and BIOS Setup

1. Connect your monitor, keyboard, and mouse.
2. Connect the power cord to the power supply and turn on the PSU switch.
3. Press the power button on your computer case.
4. During startup, repeatedly press the **DEL** or **F2** key (common keys, may vary) to enter the BIOS/UEFI setup utility.
5. In the BIOS, you can configure boot order, system time, and other hardware settings. Save changes and exit to proceed.

3.2 Operating System Installation

After configuring the BIOS, you can install your preferred operating system (e.g., Windows 10, Linux).

1. Insert your operating system installation media (USB drive or DVD) into the computer.
2. Reboot the system and ensure the boot order in BIOS is set to prioritize your installation media.

3. Follow the on-screen prompts to install the operating system.
4. After installation, install the necessary drivers for the motherboard components (chipset, audio, network, etc.) from the manufacturer's website or included driver disc.

4. Maintenance

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

- **Dust Removal:** Periodically clean dust from the motherboard and other components using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **BIOS Updates:** Check the Heayzoki support website for BIOS updates. BIOS updates can improve compatibility, stability, and performance. Follow the update instructions carefully to avoid system damage.
- **Driver Updates:** Keep your device drivers (chipset, audio, network, graphics) updated to ensure optimal performance and compatibility with your operating system.
- **Physical Inspection:** Occasionally inspect the motherboard for any signs of damage, loose connections, or bulging capacitors.

5. Troubleshooting

This section addresses common issues you might encounter.

5.1 System Does Not Power On

- Check if the power supply unit (PSU) is properly connected to the motherboard (24-pin and CPU power).
- Ensure the power switch from the case is correctly connected to the front panel header pins on the motherboard.
- Verify the PSU is switched on and receiving power from the wall outlet.
- Test the PSU with another system or a PSU tester if available.

5.2 No Display Output

- Ensure the monitor is connected to the correct video output port (VGA or DVI) on the motherboard or dedicated graphics card.
- Check if the RAM modules are properly seated in their slots. Try reseating them or testing with one module at a time.
- Verify the CPU is correctly installed and the CPU cooler is securely attached.
- If using a dedicated graphics card, ensure it is properly seated in the PCI-E X16 slot and any required power connectors are attached.

5.3 Operating System Not Booting

- Check the boot order in the BIOS to ensure your primary storage device (HDD/SSD with OS) is prioritized.
- Verify that the SATA data and power cables for your storage device are securely connected.
- If you recently installed a new OS, ensure all necessary drivers are installed.

6. Specifications

Feature	Detail

Feature	Detail
Brand	Heayzoki
Model Name	A55FM1
CPU Socket	Socket FM1
Compatible Processors	AMD A Series
Chipset Type	AMD A55
RAM Memory Technology	DDR3
Memory Clock Speed	1600 MHz
Memory Slots Available	2
Memory Storage Capacity (Max)	16 GB
Graphics Card Interface	PCI Express (PCI-E X16, PCI-E X1)
Total PCIe Ports	2
Total SATA Ports	4 (SATA 2)
Total USB Ports	8 (USB 2.0, 4 need expansion)
Number of Ethernet Ports	1 (100MBIT/s)
Video Output Interface	VGA, DVI
Audio Interface	Multi-channel audio (6-channel integrated)
Main Power Connector Type	24-Pin
Form Factor	Micro-ATX
Compatible Devices	Personal Computer
Platform	Windows 10

7. Warranty and Support

7.1 Warranty Information

The Heayzoki A55 Desktop Motherboard comes with a standard manufacturer's warranty. For specific details regarding the warranty period and terms, please refer to the documentation included with your purchase or contact the seller directly. Keep your proof of purchase for warranty claims.

7.2 Technical Support

For technical assistance, driver downloads, or further product information, please visit the official Heayzoki store or contact their customer support.
Heayzoki Store: https://www.amazon.com/stores/Heayzoki/page/C0F735C7-6C76-4669-AB1B-3FB1A8974B8B

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