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Yoidesu Yoidesumeg27uciok

Yoidesu H410M-F LGA 1200 Motherboard User Manual

Model: Yoidesumeg27uciok

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Yoidesu H410M-F LGA 1200 M-ATX Motherboard. This motherboard is designed to support 10th generation Intel Core, Celeron, and 14nm processors, offering a stable and efficient platform for your computing needs. It features DDR4 memory support, PCI-E 3.0 expansion slots, integrated Gigabit LAN, and VGA output for display connectivity.

2. SETUP AND INSTALLATION

Before beginning installation, ensure your system is powered off and disconnected from the power source. Handle the motherboard by its edges to avoid static discharge.

2.1 Motherboard Overview

**Supports 2 channel DDR4
2933/2666/2400/2133MHz memory with
a maximum memory capacity of 64GB**

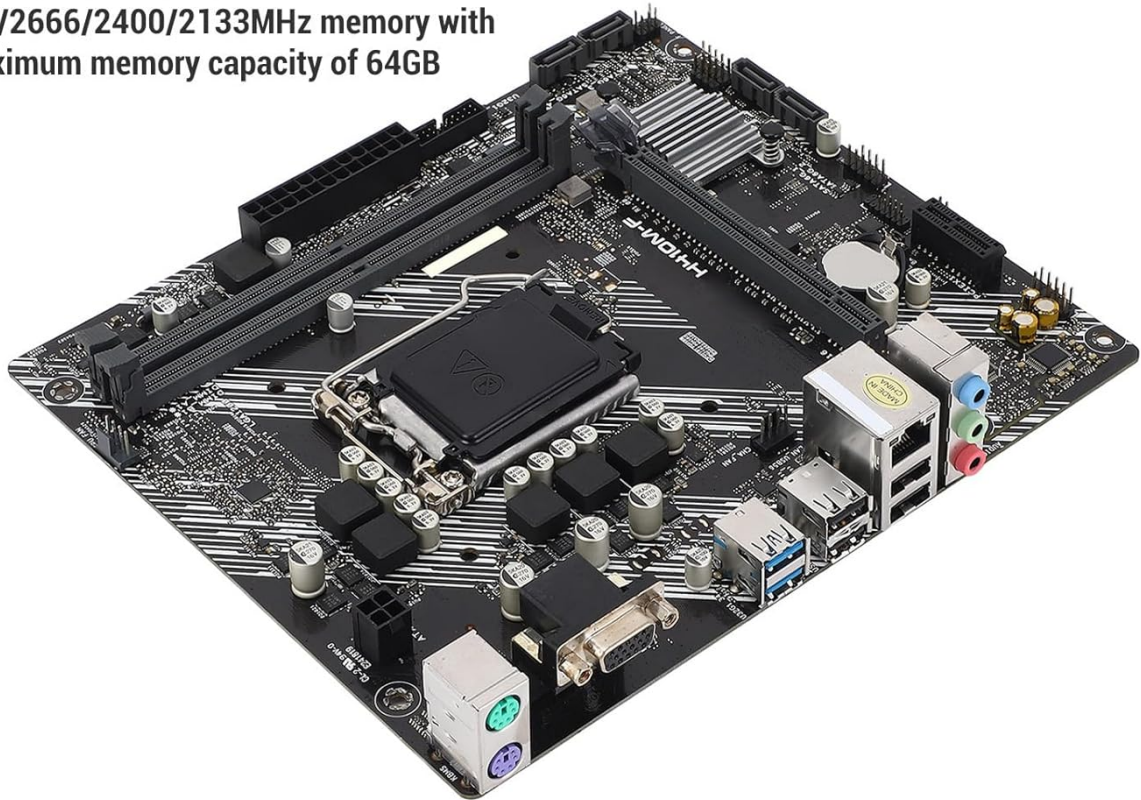


Figure 2.1: Top view of the Yoidesu H410M-F motherboard, illustrating the layout of key components such as the LGA 1200 CPU socket, two DDR4 memory slots, PCI-E x16 and x1 expansion slots, and the rear I/O panel.

2.2 CPU Installation

1. Locate the LGA 1200 CPU socket on the motherboard.
2. Gently lift the load lever and open the CPU socket cover.
3. Align the notches on your 10th Gen Intel processor with the keys on the socket. Carefully place the CPU into the socket without forcing it.
4. Close the socket cover and push down the load lever until it locks into place.
5. Apply thermal paste to the CPU and install the CPU cooler according to its manufacturer's instructions.

2.3 Memory (RAM) Installation

1. Identify the two DDR4 DIMM slots on the motherboard.
2. Open the clips at both ends of the DIMM slot.
3. Align the notch on the DDR4 memory module with the key in the DIMM slot.
4. Insert the memory module firmly into the slot until the clips snap into place. Ensure both clips are closed.
5. This motherboard supports 2-channel DDR4 memory up to 64GB (2x32GB) at speeds of

2.4 Storage Device Connection

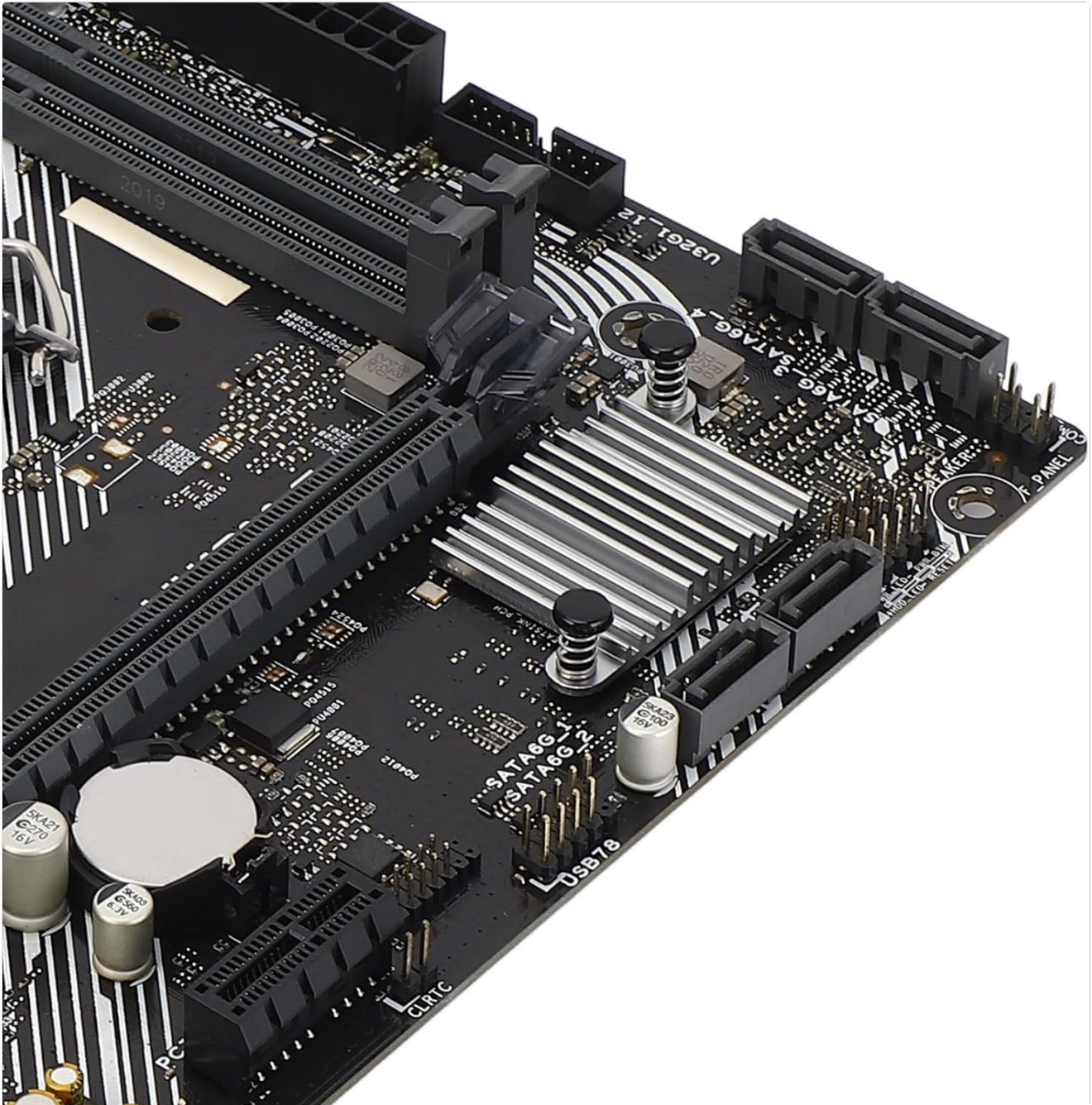


Figure 2.2: Close-up of the four Serial ATA III (SATA III) ports and various front panel headers.

- The motherboard features 4x Serial ATA III (SATA III) interfaces.
- Connect your SATA hard drives or SSDs to these ports using SATA data cables.
- Ensure your storage devices are also connected to the power supply unit.

2.5 Expansion Card Installation

- The motherboard includes 1x PCI-E X16 graphics card slot and 1x PCI-E X1 slot.
- For a graphics card, insert it into the PCI-E X16 slot until it clicks into place. Secure it with a screw to the chassis.
- Other expansion cards (e.g., sound cards, network cards) can be installed in the PCI-E X1 slot.

2.6 Power Connections

- Connect the 24-pin ATX power connector from your power supply unit (PSU) to the main power socket on the motherboard.
- Connect the 4-pin ATX 12V power connector from your PSU to the CPU power socket near the CPU.

2.7 Rear I/O Panel Connections

ADVANCED VGA OUTPUT

With high performance VGA output, this motherboard allows you to connect to a TV or monitors for high definition visuals. Suitable for home, design, and gaming use.

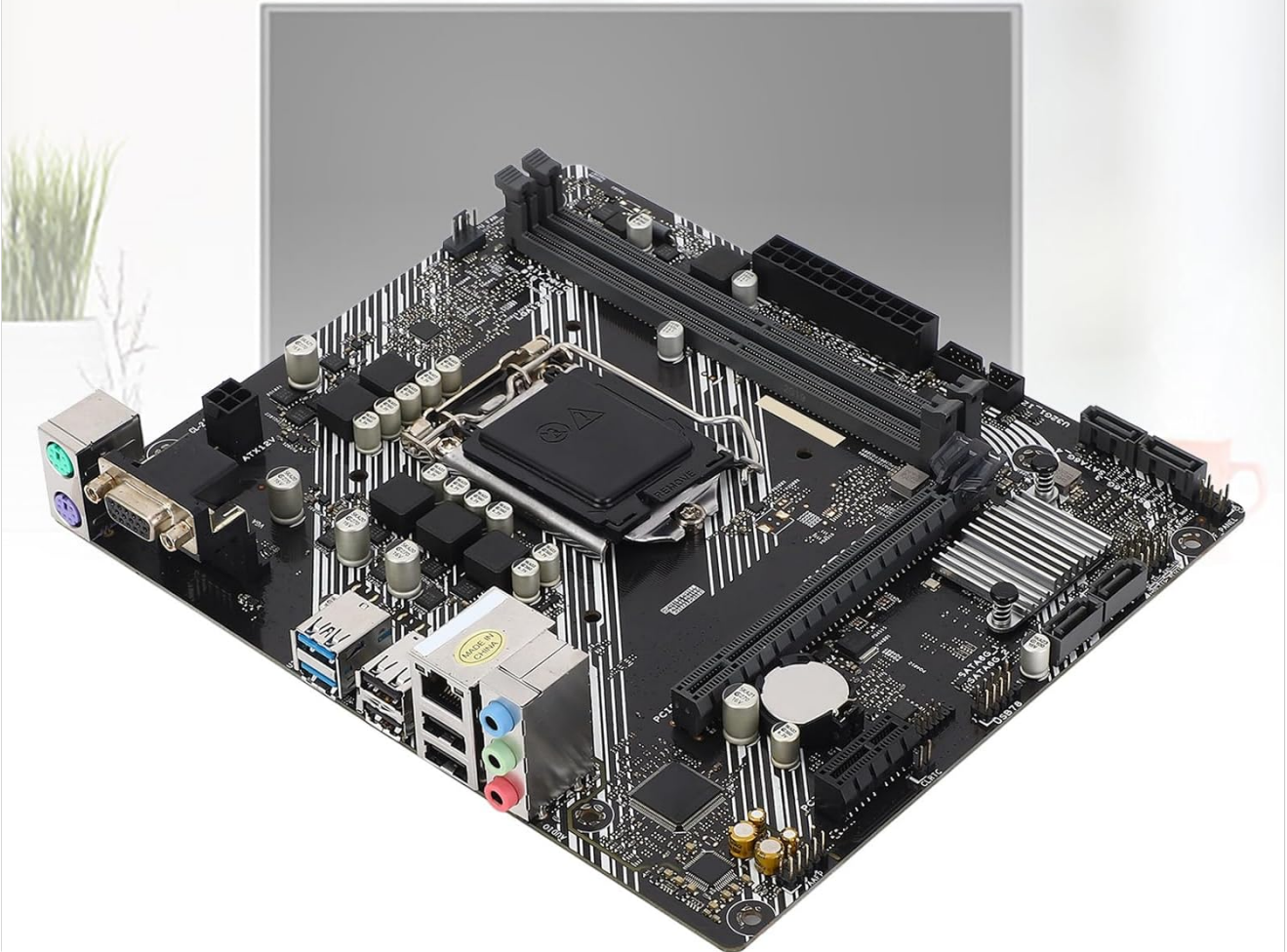


Figure 2.3: Detailed close-up of the Yoidesu H410M-F motherboard's rear input/output panel.

- **PS/2 Ports:** Connect your PS/2 mouse and keyboard.
- **VGA Port:** Connect your monitor or display device.
- **USB Ports:** Connect USB devices. This motherboard has 2x USB 3.2 Gen1 and 4x USB 2.0 ports on the rear.
- **RJ45 Network Port:** Connect an Ethernet cable for network access.
- **Audio Jacks:** Connect speakers, headphones, or microphones for 7.1 channel audio.

2.8 Front Panel Connections

- Connect the front panel USB ports (2x USB 3.2 Gen1, 2x USB 2.0) from your PC case to the corresponding headers on the motherboard.
- Connect the front panel audio, power button, reset button, and LED indicators to their respective headers. Refer to your

PC case manual for specific pin assignments.

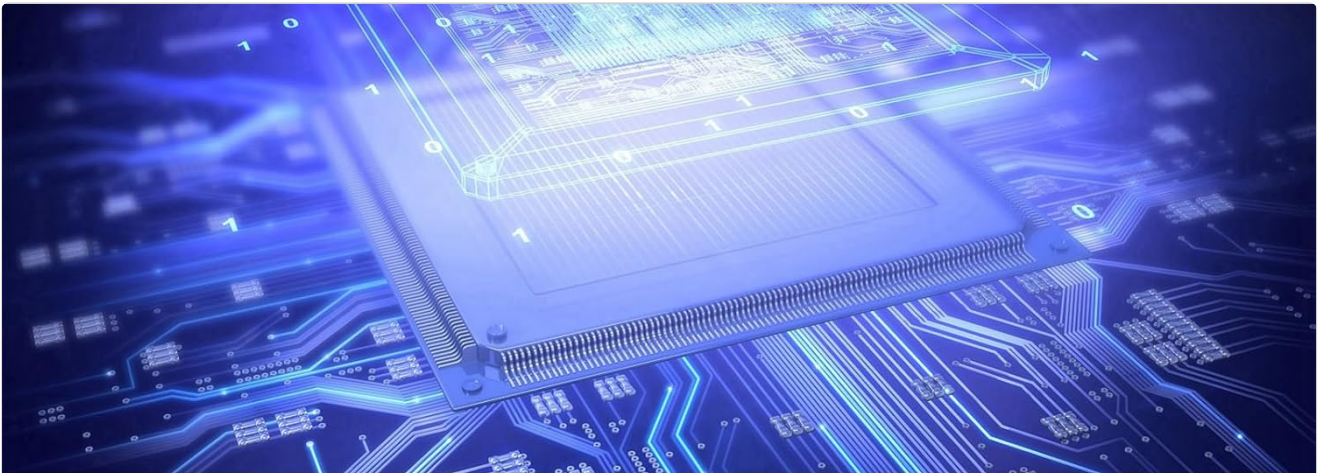
3. OPERATING INSTRUCTIONS

After completing all hardware installations, you can proceed with operating your system.

3.1 Initial Boot-Up

1. Ensure all cables are securely connected.
2. Connect the power cord to your power supply unit and turn on the PSU switch.
3. Press the power button on your PC case.
4. The system should power on, and you should see a display on your monitor.
5. Access the BIOS/UEFI setup by pressing the designated key (usually DEL or F2) during startup to configure settings or install an operating system.

3.2 Display Output



Enjoy HD images when connected to a TV or monitors



Figure 3.1: The motherboard's VGA interface supports high-definition visuals for connected displays.

The Yoidesu H410M-F motherboard provides a VGA interface for video output. Connect your monitor to this port for display. If you have an external graphics card installed in the PCI-E x16 slot, ensure your monitor is connected to the graphics card's output ports.

3.3 Network Connectivity

The onboard Realtek RTL8111H Gigabit Network Card provides a stable and fast internet connection. Connect an Ethernet cable from your router or modem to the RJ45 port on the motherboard's rear I/O panel.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your motherboard.

- **Dust Removal:** Regularly clean dust from the motherboard and other components using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **BIOS/UEFI Updates:** Periodically check the manufacturer's website for BIOS/UEFI updates. Updates can improve stability, compatibility, and performance. Follow the update instructions carefully.
- **Driver Updates:** Keep your device drivers (chipset, network, audio, etc.) updated to ensure optimal performance and compatibility.

5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

- **No Power:**
 - Check if the PSU is properly connected to the wall outlet and the motherboard (24-pin and 4-pin connectors).
 - Ensure the PSU switch is in the 'ON' position.
 - Verify that the front panel power button cable is correctly connected to the motherboard header.
- **No Display:**
 - Ensure the monitor is connected to the correct video output (motherboard VGA or discrete graphics card).
 - Check if the monitor is powered on and set to the correct input source.
 - Reseat the RAM modules and graphics card (if installed).
 - Try booting with only one RAM module installed.
- **System Instability/Crashes:**
 - Check CPU and GPU temperatures to ensure they are not overheating.
 - Verify that all power connectors are secure.
 - Run memory diagnostic tools to check for faulty RAM.
 - Ensure all drivers are up to date.
- **No Network Connection:**
 - Check the Ethernet cable connection to the RJ45 port and your router/modem.
 - Verify network drivers are installed and up to date.
 - Check network settings in your operating system.

6. SPECIFICATIONS

Detailed technical specifications for the Yoidesu H410M-F Motherboard.

Feature	Specification
Model	H410M-F
Chipset	H410 High Speed Chipset
CPU Socket	LGA 1200
Compatible CPU Type	10th Gen Intel Core, Celeron 14nm Processors
Memory Type	2x DDR4 DIMM Slots (2 Channel)
Max Memory Capacity	64GB (DDR4 2933/2800/2666/2400/2133MHz)
PCI-E Standard	PCI-E 3.0
PCI-E Slots	1x PCI-E X16, 1x PCI-E X1
Storage Interface	4x Serial ATA III Interface
Rear USB Interface	2x USB 3.2 Gen1, 4x USB 2.0
Front USB Interface	2x USB 3.2 Gen1, 2x USB 2.0 (via headers)
Video Interface	1x VGA Interface
Power Interface	1x 4-pin, 1x 24-pin
Other Rear Interfaces	1x PS/2 Mouse, 1x PS/2 Keyboard, 1x RJ45 Network, 3x Sound Interface
Sound Chip	Integrated Realtek ALC887 7.1 Channel
Network Chip	Onboard Realtek RTL8111H Gigabit
Motherboard Type	M-ATX
Battery Type	Built-in 240mAh CR2032 Battery
Package Dimensions	11.42 x 10.24 x 2.36 inches
Item Weight	1.18 pounds

7. WARRANTY INFORMATION

For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the seller/manufacturer directly. Warranty coverage typically includes defects in materials and workmanship under normal use.

8. SUPPORT

If you encounter issues not covered in the troubleshooting section or require further assistance, please contact Yoidesu customer support or visit the official Yoidesu store for resources and contact information.

Yoidesu Store: <https://www.amazon.com/stores/Yoidesu/page/9E42D849-CC6F-49C2-A653-8E737C09458E>

