

[Manuals.plus](#) /

> [Vikye](#) /

> Vikye HM65 Micro ITX Motherboard User Manual

Vikye HM65

Vikye HM65 Micro ITX Motherboard User Manual

Model: HM65 (Item Model Number: Vikyeveym5r0gn4)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Vikye HM65 Micro ITX Motherboard. Please read this manual thoroughly before proceeding with installation to ensure proper setup and functionality. This motherboard is designed to support 2nd and 3rd generation SNB/IVB i3/i5/i7 PGA series CPUs with an LGA988 socket.

2. SETUP AND INSTALLATION

Careful installation is crucial for the proper functioning of your motherboard. Follow these steps to set up your system.

2.1 Motherboard Overview

Familiarize yourself with the layout of the motherboard before beginning installation.

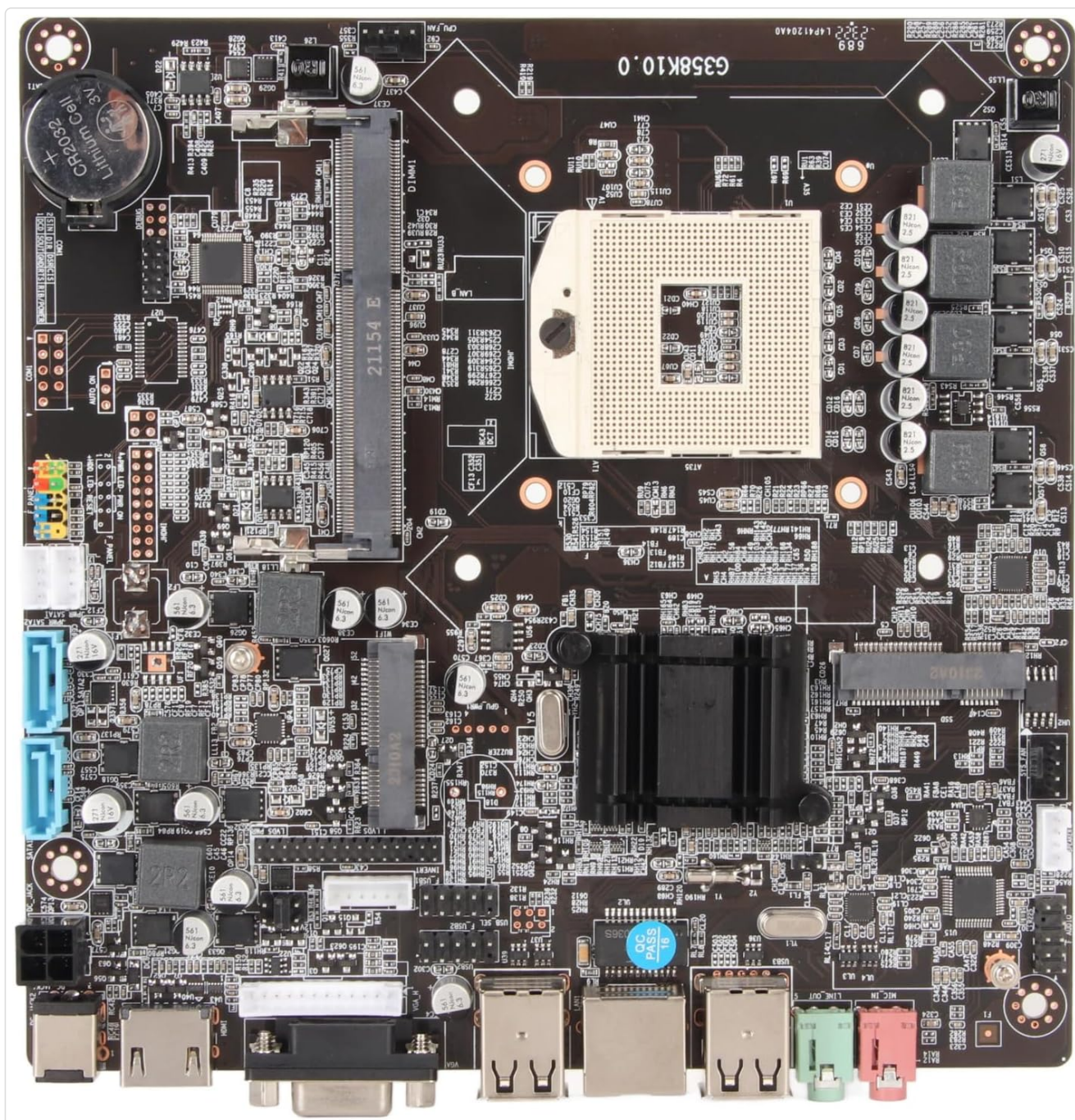


Figure 1: Top-down view of the Vikye HM65 Micro ITX Motherboard, showing the CPU socket, RAM slot, and various connectors.

2.2 CPU Installation

1. Locate the LGA988 CPU socket on the motherboard.
2. Gently lift the load lever on the side of the CPU socket.
3. Align the CPU with the socket, ensuring the triangular mark on the CPU matches the mark on the socket. Carefully place the CPU into the socket without forcing it.
4. Lower the load lever back into its locked position to secure the CPU.
5. Apply thermal paste to the CPU and install the CPU cooler according to its manufacturer's instructions.

PC Motherboard
Supports LGA 988 slot and 2nd/3rd generation for SNB/IVB architecture for Intel for Core i3/i5/i7 PGA series processors.

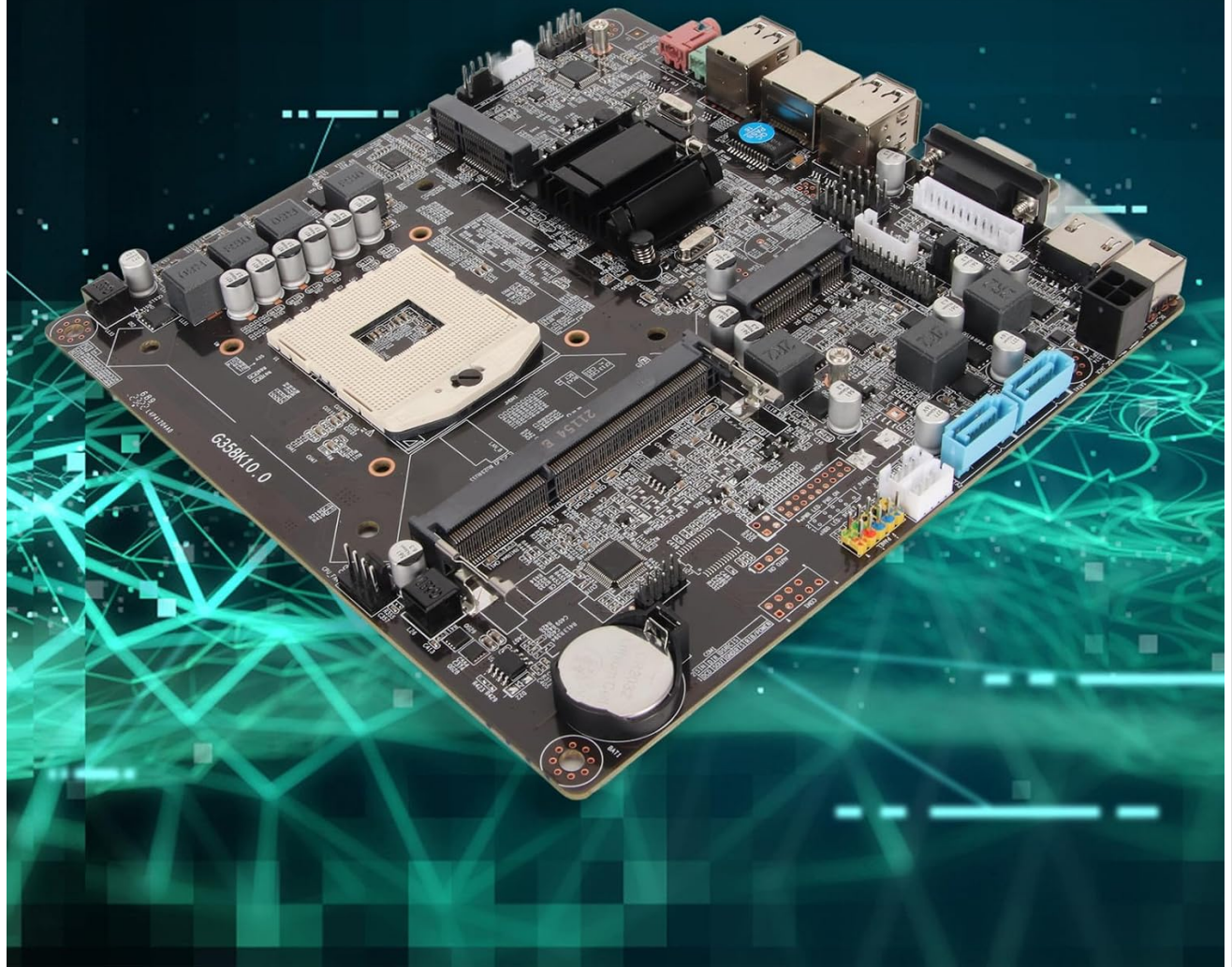


Figure 2: Angled view of the motherboard, illustrating the LGA988 CPU socket and DDR3 S0 DIMM slot.

2.3 RAM (Memory) Installation

1. Locate the 240-pin DDR3 S0 DIMM slot on the motherboard.
2. Open the clips at both ends of the memory slot.
3. Align the notch on the DDR3 S0 DIMM module with the key in the slot.
4. Insert the memory module firmly into the slot until the clips snap into place, securing the module.

2.4 Power Connections

- Connect the 12V 4-pin ATX power connector from your power supply unit (PSU) to the corresponding port on the motherboard.
- Ensure all power connections are secure.

2.5 Peripheral and Internal Connections

Connect your peripherals and internal components to the appropriate ports.

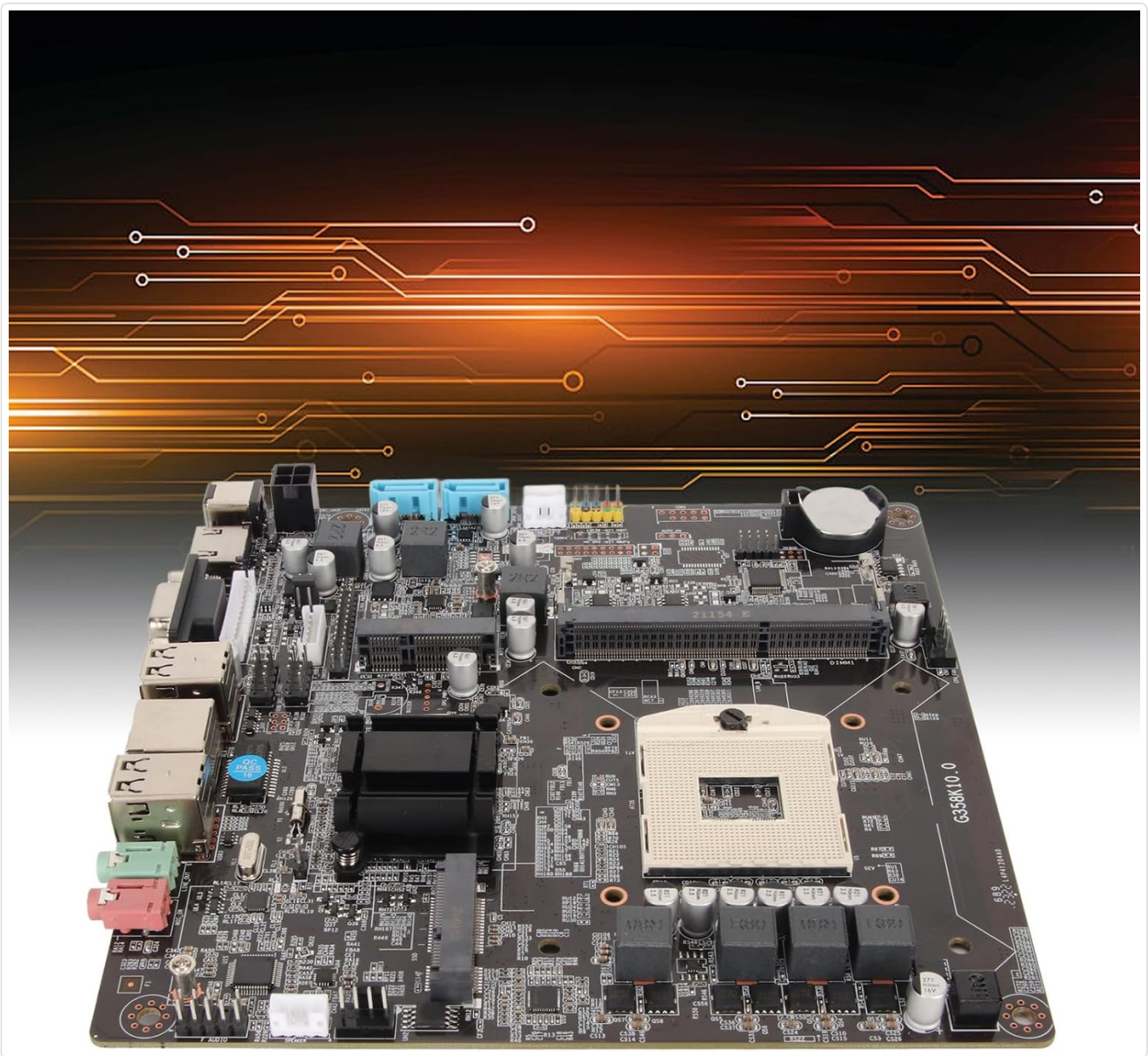


Figure 3: Side view of the motherboard, detailing the rear I/O ports including USB, VGA, HD multimedia interface, RJ45, and audio ports.

- **Rear I/O Ports:** Connect external devices such as monitors, keyboards, mice, and network cables to the following ports:
 - 1 x DCIN (12V) port
 - 4 x USB 2.0 ports
 - 1 x VGA port
 - 1 x HD multimedia interface support
 - 1 x RJ45 network port (10/100/1000Mbps LAN)
 - 2 x Audio ports (line out/microphone input)
- **Internal Interfaces:** Connect internal components such as front panel audio, USB, and system fans:
 - 2 x Serial connector ports
 - 1 x F Audio Connector (for front panel audio)
 - 1 x F PANEL Connector (for front panel power/reset/LEDs)
 - 1 x F Speaker Connector
 - 2 x Fan connectors

- 1 x JLVDS connector
 - 1 x 30-pin LVDS CON connector
 - 1 x 12-pin VGA CON connector
 - 1 x 6-pin inverter connector
- **Expansion Slots:** For additional components:
 - 1 x M PCI Express Slot
 - 1 x M slot

3. OPERATING INSTRUCTIONS

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

1. Ensure all power cables are securely connected to the motherboard and power supply.
2. Connect your monitor, keyboard, and mouse.
3. Press the power button on your computer case.
4. The system should initiate the boot process. If an operating system is installed, it will load. If not, you will need to install one.

For detailed operating system installation or specific software usage, refer to the respective software documentation.

4. MAINTENANCE

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

- **Dust Removal:** Periodically clean dust from the motherboard and internal components using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Connection Checks:** Occasionally check that all cables and components (CPU, RAM, expansion cards) are securely seated.
- **BIOS/UEFI Updates:** Keep your motherboard's BIOS/UEFI firmware updated. Refer to the manufacturer's website for the latest updates and instructions.
- **Battery:** The motherboard includes a built-in CR2032 battery. If system time or BIOS settings are frequently lost, the battery may need replacement. Consult a qualified technician for battery replacement.

5. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting steps.

- **No Power:**
 - Ensure the power supply is connected to the motherboard and plugged into a working power outlet.
 - Check the front panel power switch connection to the motherboard.
- **No Display:**
 - Verify that the monitor is connected to the correct video output port (VGA or HD multimedia interface) and is powered on.
 - Reseat the RAM modules. Try booting with only one RAM module if multiple are installed.
 - Ensure the CPU and CPU cooler are properly installed.
- **System Instability/Crashes:**
 - Check for proper CPU and case fan operation to prevent overheating.

- Ensure RAM modules are compatible and correctly installed.
- Update motherboard drivers and BIOS/UEFI firmware.
- **Peripheral Not Detected:**
 - Ensure the peripheral is correctly connected to the appropriate port.
 - Try connecting the peripheral to a different port.
 - Install or update drivers for the peripheral.

If problems persist, consult the Vikye support website or a qualified computer technician.

6. SPECIFICATIONS

Detailed technical specifications for the Vikye HM65 Micro ITX Motherboard.

Feature	Specification
Model No.	HM65
Material	PCB
CPU Support	LGA988 for 2nd/3rd Gen SNB/IVB i3/i5/i7 PGA Series CPUs
Chipset	HM65 Express
Memory	1 x 240-pin DDR3 S0 DIMM slot, supports up to 16GB, 1066/1333/1600MHz
Audio	Built-in 6-channel HD audio codec, front audio interface, front stereo microphone interface
LAN	10/100/1000Mbps LAN
Expansion Slots	1 x M PCI Express Slot, 1 x M slot
Architecture	Micro ITX (approx. 17 x 17 cm / 6.69 x 6.69 inches)
Built-in Battery	CR2032 (240 mAh)
Internal Interfaces	1 x 12V 4 Pin ATX Power, 2 x Serial, 1 x F Audio, 1 x F PANEL, 1 x F Speaker, 2 x Fan, 1 x JLVDS, 1 x 30-pin LVDS CON, 1 x 12-pin VGA CON, 1 x 6-pin inverter
Rear I/O Ports	1 x DCIN (12V), 4 x USB 2.0, 1 x VGA, 1 x HD multimedia interface, 1 x RJ45, 2 x Audio (line out/mic in)
Item Model Number	Vikyeveym5r0gn4
Item Weight	12.1 ounces
Package Dimensions	10.24 x 7.87 x 1.97 inches

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or

contact Vikye customer service directly. Warranty terms may vary based on region and retailer.

For the most up-to-date support resources, visit the official Vikye website.

© 2024 Vikye. All rights reserved.

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