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MINISFORUM GK41

MINISFORUM GK41 Mini PC User Manual

Model: GK41

1. SAFETY INFORMATION

Please read all instructions carefully before using the MINISFORUM GK41 Mini PC. Keep this manual for future reference.

- Do not expose the device to water, moisture, or extreme temperatures.
- Avoid placing the device near heat sources or in direct sunlight.
- Use only the provided power adapter.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- Ensure proper ventilation to prevent overheating.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x MINISFORUM GK41 Mini PC
- 1x HDMI Cable
- 1x DP Cable
- 1x Wall Mount Bracket
- 1x US Power Adapter
- 1x User Manual (this document)



Image: The MINISFORUM GK41 Mini PC with its included accessories, including HDMI and DP cables, power adapter, and wall mount bracket.

3. PRODUCT OVERVIEW

3.1 Front and Side View

Gemini Lake Celeron J4125

Bring you faster speed and stronger performance

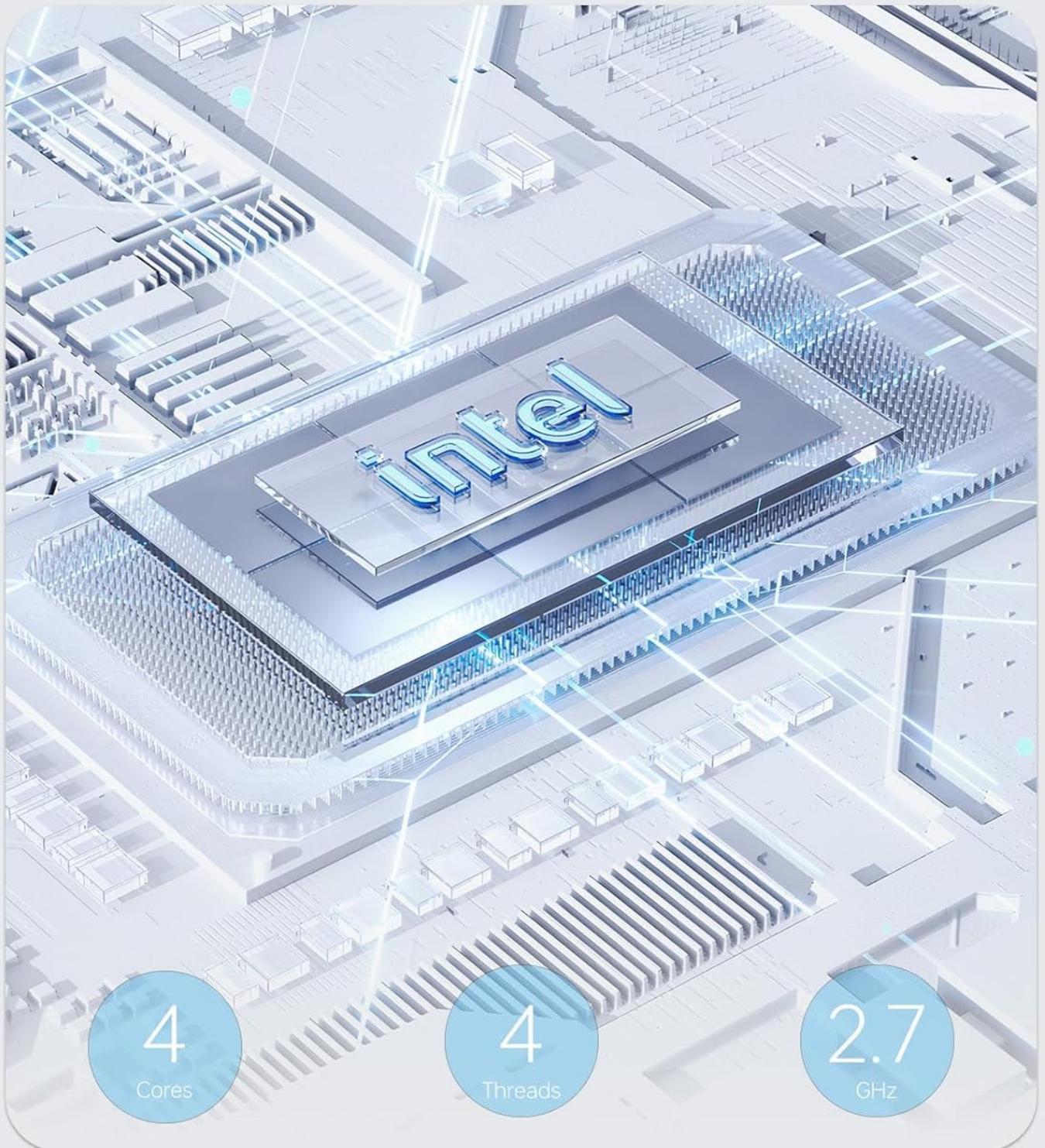


Image: Front and side view of the MINISFORUM GK41 Mini PC, showing its compact design and some front-facing ports.

3.2 Available Ports

The MINISFORUM GK41 Mini PC is equipped with a variety of ports for connectivity:

- 1x HDMI Port

- 1x DisplayPort (DP)
- 2x RJ45 Gigabit Ethernet Ports
- 4x USB 3.0 Ports
- 1x TF Card Slot
- 1x DC Jack (Power Input)
- 1x Microphone Jack

HDMI+DP Dual Screen Display

Equipped with HDMI 2.0 and DP 4K@60Hz video outputs



Image: Rear and side view of the MINISFORUM GK41 Mini PC, highlighting the various input/output ports including HDMI, DP, USB, and Ethernet.

4. SETUP

4.1 Connecting to a Display

Connect your monitor(s) to the Mini PC using the HDMI or DisplayPort (DP) outputs. The device supports dual monitor setups with 4K@60Hz resolution.

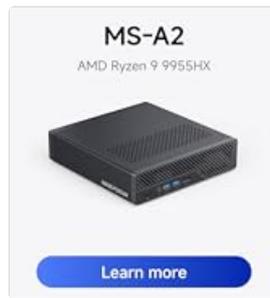


Image: The MINISFORUM GK41 Mini PC positioned between two monitors, demonstrating its dual screen display capability via HDMI and DisplayPort.

4.2 Power Connection

Connect the provided power adapter to the DC Jack on the Mini PC and then plug it into a power outlet.

4.3 Peripheral Connections

Connect your keyboard, mouse, and other USB devices to the available USB 3.0 ports. For network connectivity, use the Gigabit Ethernet ports or connect via dual-band Wi-Fi.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To power on: Press the power button located on the front of the device.
- To power off: Use the operating system's shutdown function. Alternatively, press and hold the power button for 5 seconds to force a shutdown (use only when necessary).

5.2 Initial Boot and OS Setup

Upon first boot, the system may guide you through the operating system setup process. Follow the on-screen instructions to configure your preferences.

5.3 Network Connectivity

- **Wired Connection:** Connect an Ethernet cable to one of the RJ45 ports.
- **Wireless Connection:** The device supports dual-band Wi-Fi (802.11ac). Access network settings in your operating system to connect to a Wi-Fi network.



Image: The MINISFORUM GK41 Mini PC with Ethernet cables connected, illustrating its dual-band Wi-Fi capabilities and network speed comparisons.

6. STORAGE EXPANSION

The MINISFORUM GK41 Mini PC offers flexible storage expansion options:

- **M.2 2280 SATA SSD:** The pre-installed 128GB M.2 2280 SATA SSD can be upgraded to a maximum of 2TB.
- **2.5-inch SATA HDD:** An additional 2.5-inch SATA HDD slot is available, supporting up to 2TB HDD.

- **TF Card Slot:** A TF Card slot supports cards up to 128GB for additional portable storage.

Note: For internal storage upgrades (M.2 SSD or 2.5-inch HDD), it is recommended to consult a professional or refer to detailed technical guides to avoid damaging the device.

7. DUAL MONITOR SETUP

The GK41 Mini PC supports connecting two monitors simultaneously for extended desktop functionality. Both HDMI and DisplayPort (DP) outputs support 4K@60Hz resolution.

1. Connect the first monitor to the HDMI port using an HDMI cable.
2. Connect the second monitor to the DisplayPort (DP) using a DP cable.
3. Power on the Mini PC and both monitors.
4. Adjust display settings within your operating system to configure extended desktop, duplicate display, or other desired modes.

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the Mini PC. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure that the ventilation openings are not blocked to maintain optimal airflow and prevent overheating.
- **Software Updates:** Regularly update your operating system and drivers to ensure system stability and security.
- **Data Backup:** Periodically back up important data to an external storage device to prevent data loss.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty.	Check power cable connections. Ensure the power outlet is functional. Try a different power adapter if available.
No display output	Monitor not connected, incorrect input selected, or faulty cable.	Verify HDMI/DP cable connections. Ensure the monitor is powered on and set to the correct input source. Try a different cable or monitor.
Wi-Fi not connecting	Incorrect password, out of range, or driver issue.	Check Wi-Fi password. Move closer to the router. Update Wi-Fi drivers. Restart the Mini PC and router.
Slow performance	Too many applications running, insufficient storage, or overheating.	Close unnecessary applications. Check available storage space. Ensure proper ventilation. Run system diagnostics.

10. SPECIFICATIONS

Feature	Detail
Processor	Intel Celeron J4125 Quad Core (up to 2.7GHz)
Graphics	Intel UHD Graphics 600 (Integrated)
RAM	8GB DDR4 (onboard)
Internal Storage	128GB M.2 2280 SATA SSD (expandable to 2TB)
Additional Storage Slots	1x 2.5-inch SATA HDD slot (up to 2TB), 1x TF Card slot (up to 128GB)
Video Output	1x HDMI, 1x DisplayPort (DP) - Supports Dual 4K@60Hz
USB Ports	4x USB 3.0 Ports

Feature	Detail
Network	2x Gigabit Ethernet (RJ45), Dual-band Wi-Fi (802.11ac)
Audio	1x Microphone Jack
Operating System	OS (as specified by manufacturer)
Dimensions	Approximately 1 x 1 x 1 inches (Product Dimensions)
Weight	Approximately 1.81 pounds

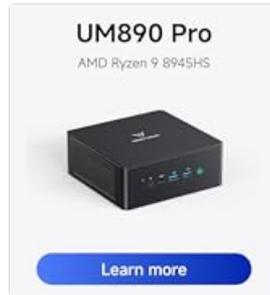


Image: The MINISFORUM GK41 Mini PC shown in various application scenarios, including connection to a printer, monitor, surveillance camera, and point-of-sale system.



Image: The MINISFORUM GK41 Mini PC displayed next to a smartphone and tablet, emphasizing its compact and space-saving design.

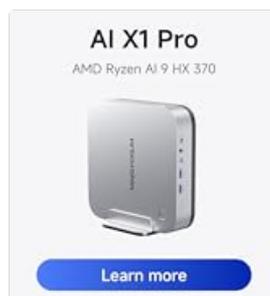


Image: A detailed view of the Intel Celeron J4125 processor, highlighting its core count, thread count, and clock speed.

11. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official MINISFORUM website or contact their customer service directly. Details are typically provided with your purchase documentation.

MINISFORUM Official Website: www.minisforum.com



