

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [MINISFORUM](#) /
- › [MINISFORUM UM690L Slim Mini PC Instruction Manual](#)

MINISFORUM UM690L Slim

MINISFORUM UM690L Slim Mini PC Instruction Manual

Model: UM690L Slim

Brand: MINISFORUM

1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your MINISFORUM UM690L Slim Mini PC. Please read this manual thoroughly before using the device.

2. PACKAGE CONTENTS

The MINISFORUM UM690L Slim Mini PC package includes the following items:

- MINISFORUM UM690L Slim Mini PC
- Power Adapter
- Power Cable
- HDMI Cable
- VESA Mount Bracket with Screws
- Instruction Manual

Package Contents



Mini PC



Package Contents



Power Adapter



Wall Mount



HDMI Cable



Instructions

Image: Package contents for the MINISFORUM UM690L Slim Mini PC. Includes the mini PC unit, power adapter, power cable, HDMI cable, VESA mount bracket, and the instruction manual.

3. PRODUCT OVERVIEW

3.1 Front Panel

The front panel of the UM690L Slim Mini PC features convenient access ports:

- Power Button
- 2 x USB 3.2 Gen2 Type-A ports
- 1 x USB4 port (supports Alt PD)
- Audio Jack

3.2 Rear Panel

The rear panel provides essential connectivity options:

- DC Power Input (19V)
- 2 x 2.5G LAN ports
- 1 x HDMI 2.1 port
- 1 x DisplayPort 1.4
- 2 x USB 2.0 ports
- Clear CMOS button

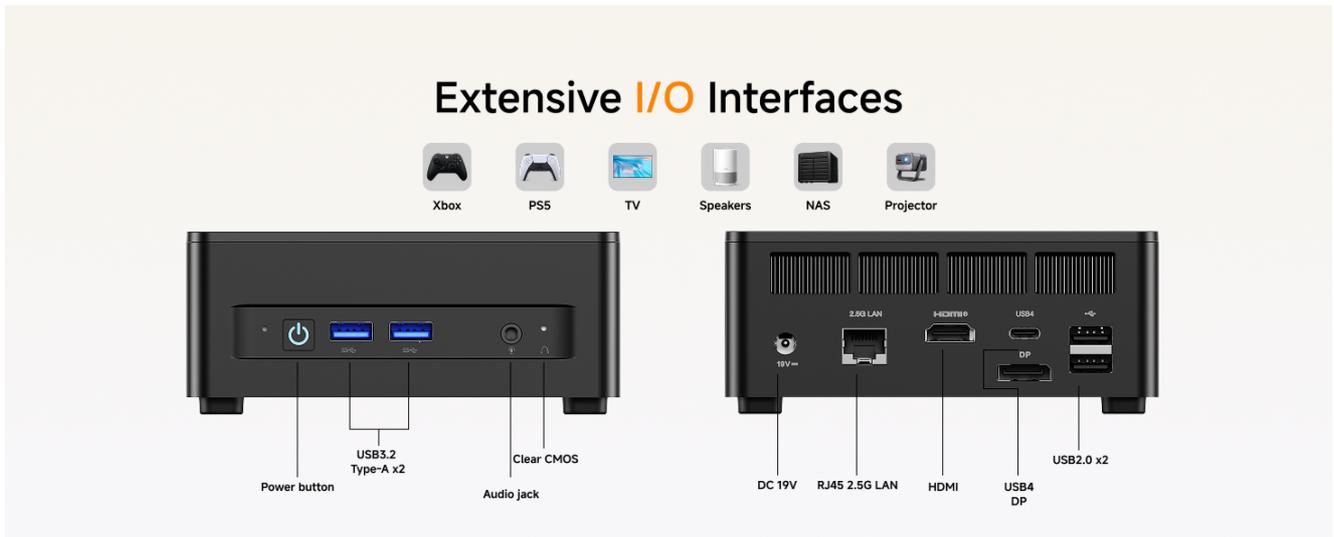


Image: Detailed view of the front and rear I/O interfaces of the MINISFORUM UM690L Slim Mini PC, including USB, HDMI, DisplayPort, LAN, and power input.

4. SETUP

4.1 Connecting to a Display

Connect your monitor(s) to the Mini PC using the HDMI, DisplayPort, or USB4 port. The UM690L Slim supports up to three 4K displays simultaneously.

- **HDMI 2.1:** Supports 4K@120Hz or 8K@60Hz.
- **DisplayPort 1.4:** Supports 4K@120Hz.
- **USB4:** Supports 8K@60Hz output.



Image: The MINISFORUM UM690L Slim Mini PC connected to three external displays, showcasing its triple display output capabilities via HDMI, DisplayPort, and USB4.

4.2 Power Connection

Connect the power adapter to the DC power input port on the rear panel of the Mini PC, then plug the power cable into a wall outlet.

4.3 Peripheral Connections

Connect your keyboard, mouse, and other USB devices to the available USB ports (USB 3.2 Gen2 Type-A or USB 2.0).

4.4 Network Connection

For a wired connection, connect an Ethernet cable to one of the 2.5G LAN ports. For wireless connectivity, the device supports Wi-Fi 6E and Bluetooth 5.3.

Equipped with 2.5Gbps LAN Port

2.5 times faster than traditional gigabit networks

Specification	Max speed	Actual transfer speed
1Gbps	1000Mbps	125MB/s
2.5MB/s	2500Mbps	312.5MB/s

*Theoretical maximum value in a laboratory environment. Actual use may vary depending on the device, environment, file type, etc.

Image: Close-up of the 2.5Gbps LAN port on the MINISFORUM UM690L Slim Mini PC, highlighting its faster network capabilities.

4.5 Mounting the Mini PC

The included VESA mount bracket allows you to attach the Mini PC to the back of a compatible monitor or to a wall, saving desk space.

Your browser does not support the video tag.

Video: Instructions on how to install the MINISFORUM Mini PC using the VESA mount bracket to save space by attaching it to a monitor.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the power button on the front panel to turn the Mini PC on or off.

5.2 Initial Setup

Upon first boot, follow the on-screen instructions to complete the Windows 11 Pro operating system setup.

5.3 BIOS Settings

To access the BIOS settings, press the designated key (usually DEL or F2) repeatedly during startup. The BIOS allows configuration of various system parameters.

Your browser does not support the video tag.

Video: A detailed walkthrough of the BIOS settings for a MINISFORUM M1 Pro, demonstrating various configuration options including power profiles, CPU settings, and boot order.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the exterior of the Mini PC with a soft, dry cloth. Ensure ventilation grilles are free from dust to maintain optimal cooling.

6.2 Software Updates

Keep your operating system and drivers updated to ensure optimal performance and security.

7. STORAGE AND MEMORY UPGRADE

The MINISFORUM UM690L Slim Mini PC is equipped with 32 GB LPDDR5 RAM and a 1 TB PCIe 4.0 SSD. It features two M.2 2280 PCIe 4.0 SSD slots, supporting up to 4 TB of storage capacity.

To upgrade or replace storage/memory components, carefully open the device by removing the screws on the bottom panel. Refer to the video for a visual guide.

Your browser does not support the video tag.

Video: Step-by-step guide on how to install DDR RAM and SSD storage in a MINISFORUM UM870 Slim Mini PC, demonstrating the process of opening the case and inserting components.

8. TROUBLESHOOTING

8.1 No Display

Ensure all display cables (HDMI, DisplayPort, USB4) are securely connected to both the Mini PC and the monitor. Verify the monitor is powered on and set to the correct input source.

8.2 No Power

Check that the power adapter is correctly connected to the Mini PC and the power cable is securely plugged into a working electrical outlet.

8.3 Overheating/Loud Fan

Ensure the Mini PC's ventilation grilles are not obstructed. The active heat dissipation system is designed to keep the unit cool and quiet (under 35 dB under high load). If issues persist, ensure the device is placed in a well-

ventilated area.

8.4 Connectivity Issues

For wired connections, check the Ethernet cable and router status. For Wi-Fi/Bluetooth, ensure drivers are updated and the devices are within range.

9. SPECIFICATIONS

Feature	Specification
Processor	AMD Ryzen 9 6900HX (8 Cores/16 Threads, up to 4.9 GHz)
Graphics	Integrated AMD Radeon 680M
RAM	32 GB LPDDR5 (6400 MHz)
Storage	1 TB PCIe 4.0 SSD (2 x M.2 2280 slots, up to 4 TB)
Video Output	HDMI 2.1, DisplayPort 1.4, USB4 (Triple 4K display support)
USB Ports	2 x USB 3.2 Gen2 Type-A, 2 x USB 2.0, 1 x USB4
Network	2.5G LAN, Wi-Fi 6E, Bluetooth 5.3
Cooling System	Active heat dissipation (Phase change materials, CPU/memory/SSD heat sinks)
Dimensions	7.13 x 6.34 x 4.49 inches
Weight	2.7 pounds
Operating System	Windows 11 Pro (Pre-installed)

10. WARRANTY AND SUPPORT

10.1 Warranty

This MINISFORUM UM690L Slim Mini PC comes with a 3-year protection plan. Please retain your proof of purchase for warranty claims.

10.2 Returns

A 30-day return policy is available for this product. Refer to your retailer's return policy for details.

10.3 Customer Support

For technical assistance or further inquiries, please visit the official MINISFORUM website or contact their customer support.