ASUS RNUC13ANHI500002I

ASUS NUC 13 Pro RNUC13ANHI500002I Instruction Manual

Model: RNUC13ANHI500002I | Brand: ASUS

1. PRODUCT OVERVIEW

The ASUS NUC 13 Pro RNUC13ANHI500002I is a compact and powerful mini PC designed for business and everyday use. It features a 13th Gen Intel Core i5 processor with integrated Intel Iris Xe graphics, offering robust performance in a small form factor. This device provides ultra-fast wired and wireless connections, including Intel Ethernet up to 2.5 Gbit/s and Intel Wi-Fi 6E (Gig+).

Key Features:

- 13th Gen Intel Core i5 processor with integrated Intel Iris Xe graphics.
- 14 processor cores (6P+8E), 20 threads, 24 MB Smart Cache, 35 W TDP.
- Ultra-fast wired and wireless connections with Intel Ethernet up to 2.5 Gbit/s and Intel Wi-Fi 6E (Gig+).
- Two HDMI 2.1 ports and two Thunderbolt 4 ports for flexible display connectivity up to 4K resolution.

Image: The ASUS NUC 13 Pro mini PC, highlighting its compact design and suitability for business environments, powered by Intel Core processors.

2. SETUP GUIDE

2.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the packing list are present and undamaged. If any items are missing or damaged, contact your retailer immediately.

2.2 Connecting Peripherals

1. **Power Connection:** Connect the power adapter to the DC-in port on the rear of the mini PC, then plug the power cord into an electrical outlet.
2. **Display Connection:** Connect your monitor(s) to the HDMI 2.1 ports or Thunderbolt 4 ports on the rear of the mini PC using appropriate cables. The device supports up to two 4K displays simultaneously.
3. **Keyboard and Mouse:** Connect your USB keyboard and mouse to the available USB ports (USB 3.2 Gen 2 Type-A or USB 2.0) on the front or rear of the mini PC.
4. **Network Connection:** For a wired connection, connect an Ethernet cable from your router or modem to the 2.5 Gbit/s Intel Ethernet port on the rear. For wireless, ensure your Wi-Fi 6E network is available.
5. **Audio Devices:** Connect headphones or speakers to the 3.5mm front stereo headset jack or use digital audio via HDMI/Thunderbolt.
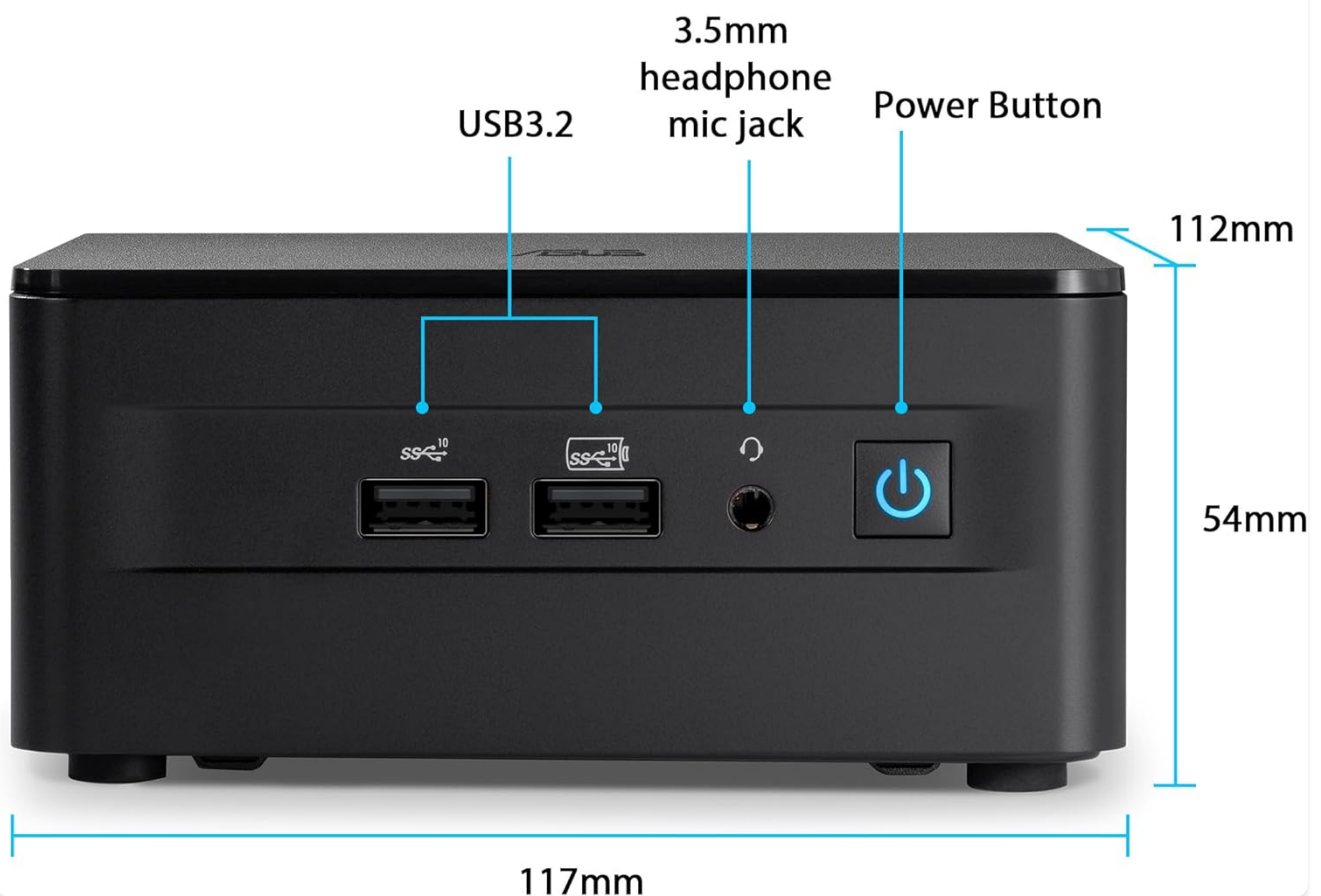

Image: Front view of the ASUS NUC 13 Pro, illustrating the two USB 3.2 Gen 2 Type-A ports, 3.5mm headphone/mic jack, and the power button.
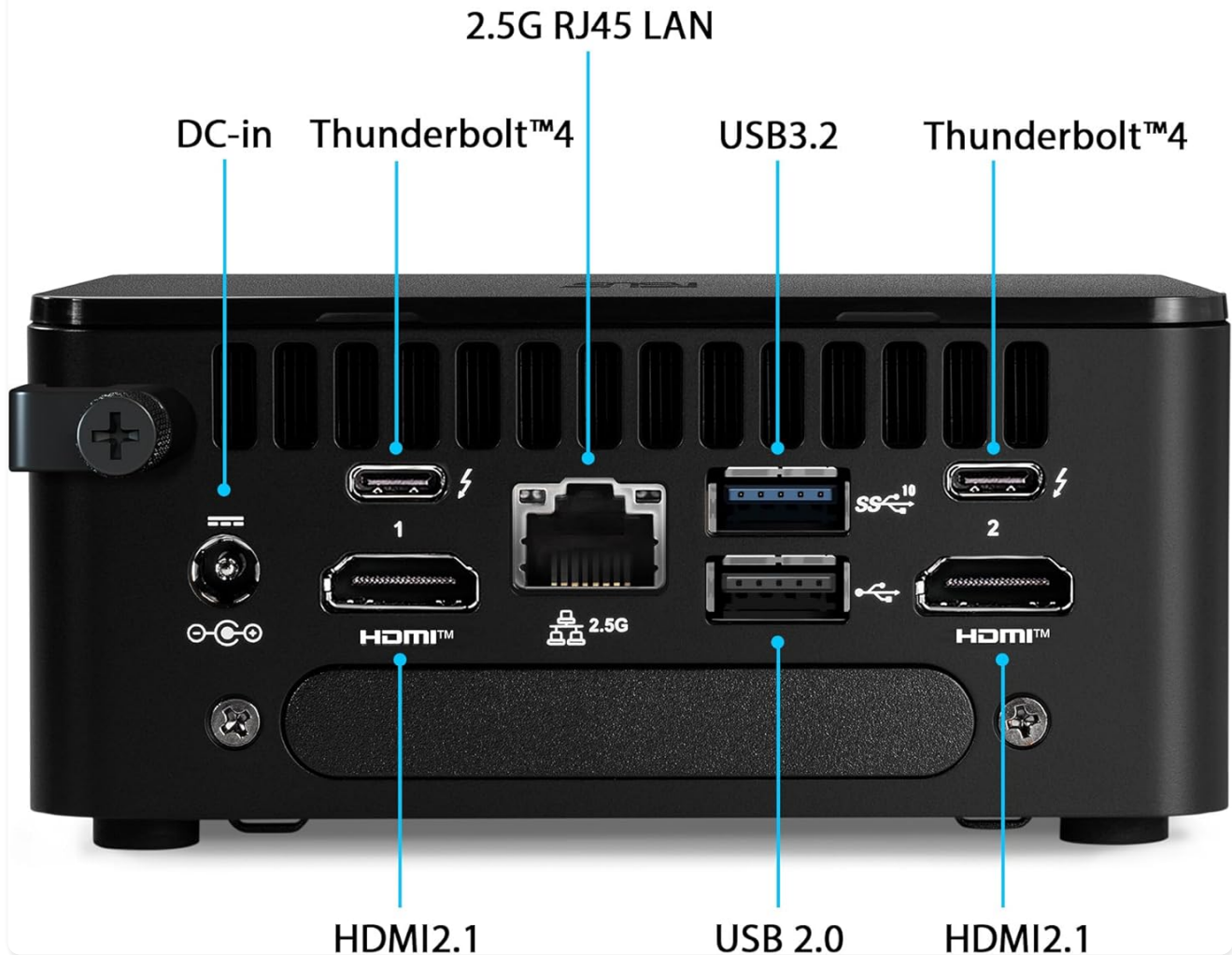
Extensive Connectivity

Image: Rear view of the ASUS NUC 13 Pro, detailing the DC-in port, two HDMI 2.1 ports, two Thunderbolt 4 ports, 2.5G RJ45 LAN port, one USB 3.2 Gen 2 Type-A port, and one USB 2.0 Type-A port.

3. OPERATING INSTRUCTIONS

3.1 Powering On/Off

- **To Power On:** Press the power button located on the front panel. The power indicator light will illuminate.
- **To Power Off:** From the operating system (Windows 10 or Windows 11 Home), select 'Shut down'. Alternatively, press and hold the power button for 4 seconds to force a shutdown (use only when necessary).

3.2 Operating System

The ASUS NUC 13 Pro supports Windows 10 or Windows 11 Home. Follow the on-screen instructions for initial setup and configuration of your chosen operating system. Ensure all drivers are up-to-date for optimal performance.

3.3 Multi-Display Setup

The mini PC supports multiple displays via its HDMI 2.1 and Thunderbolt 4 ports. To configure multiple displays, right-click on your desktop, select 'Display settings', and arrange your displays as desired. You can extend your desktop across multiple screens or duplicate content.

Your browser does not support the video tag.

Video: An introduction to the interfaces of the Intel NUC 13 Pro, demonstrating the various ports and their functions for connectivity.

4. INTERNAL COMPONENTS AND UPGRADABILITY

The ASUS NUC 13 Pro offers options for internal upgrades to enhance its performance and storage capacity.

4.1 RAM Upgrade

The device supports dual-channel DDR4-3200 SODIMM slots, with a maximum capacity of 64 GB. To upgrade, carefully open the chassis, locate the SODIMM slots, and install compatible RAM modules.

4.2 Storage Upgrade

- **M.2 NVMe SSD:** The mini PC includes one M.2 22x80 key M slot for PCIe x4 Gen4 NVMe SSDs.
- **Additional M.2 Slot:** An M.2 22x42 key B slot is available for PCIe x1 Gen3, USB 3.2 Gen2, and SATA SSD expandability.
- **2.5" Drive Bay:** Tall kits of the NUC 13 Pro include a 2.5" drive bay (15mm SATA) for additional storage.

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Video: An introductory overview of the Intel NUC 13 Pro, showcasing its compact design and internal components.

5. MAINTENANCE

5.1 Cleaning

- Regularly clean the exterior of the mini PC with a soft, dry cloth.
- Use compressed air to clear dust from ventilation grilles to ensure proper airflow and prevent overheating.

5.2 Software Updates

Keep your operating system and drivers updated to ensure optimal performance, security, and compatibility. Check for updates regularly through your OS settings or the ASUS support website.

6. TROUBLESHOOTING

6.1 No Power

- Ensure the power adapter is securely connected to both the mini PC and a working electrical outlet.
- Verify the power outlet is functional by plugging in another device.

6.2 No Display

- Check that display cables (HDMI, Thunderbolt) are securely connected to both the mini PC and the monitor.
- Ensure the monitor is powered on and set to the correct input source.
- Try connecting to a different display port or using a different cable.

6.3 Connectivity Issues

- **Wired Network:** Check the Ethernet cable connection and ensure your router/modem is working correctly.
- **Wireless Network:** Verify Wi-Fi is enabled in your operating system and that you are connected to the correct network. Restart your router/modem if necessary.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	ASUS
Model Number	90AR00C1-M000B0
Series	NUC 13 Pro
Color	Black
Operating System	Windows 10 or Windows 11 Home
Processor Brand	Intel
Processor Type	Core i5-12600 (Note: Product description mentions 13th Gen i5, specifications list i5-12600. Please verify with product packaging.)
Number of Cores	14
Max Memory	64 GB
Graphics Chipset Brand	Intel
Graphics Card Description	Integrated (Intel Iris Xe)
Resolution	2560x1440 (Display Resolution: 1920x1080)
Wireless Technology Type	802.11ax (Wi-Fi 6E)
Hardware Interface	Ethernet, HDMI, Thunderbolt, USB
Number of HDMI Ports	1 (Note: Feature bullets mention two HDMI 2.1 ports. Please verify with product packaging.)

Feature	Detail
Item Dimensions L x W x H	11.7 x 11.2 x 5.4 centimeters

8. WARRANTY AND SUPPORT

8.1 Manufacturer's Warranty

This ASUS NUC 13 Pro comes with a **2-year manufacturer's warranty**. For detailed terms and conditions, please refer to the warranty card included with your product or visit the official ASUS support website.

Image: ASUS NUC support features, including 24/7 comprehensive assistance and a 3-year warranty. Note: Product specifications state a 2-year warranty, please refer to official documentation for the most accurate information.

8.2 Customer Support

For technical assistance, troubleshooting, or service inquiries, please visit the official ASUS support website or contact their customer service. Keep your product model number and serial number handy for faster service. Additional support options may include ASUS Premium Care, warranty extensions, accidental damage protection, and defective hard drive retention services.