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MINISFORUM HX77G

MINISFORUM Neptune Series HX77G Mini PC User Manual

Model: HX77G

1. SETUP GUIDE

1.1 Unboxing Your Mini PC

Carefully unpack all components from the box. Ensure all items listed below are present.

- 1x HX77G Mini PC
- 1x HDMI Cable
- 1x Power Cable
- 1x Baseplate
- 1x Base Support
- 1x Manual
- 1x US Power Adapter



Image: Package Contents. Verify all items are included.

1.2 Installing the Base Stand

To position your Mini PC vertically, attach the included base stand. Align the baseplate with the screw holes on the side of the Mini PC and secure it using the provided screws. Then, attach the base support to the baseplate.

Video: Installation of the base stand. This video demonstrates the process for a similar MINISFORUM model (HX90G), which applies to the HX77G.

1.3 Connecting Peripherals

Connect your monitor(s), keyboard, mouse, and other peripherals to the appropriate ports on the Mini PC. The HX77G features multiple USB ports, HDMI, and DisplayPort outputs.

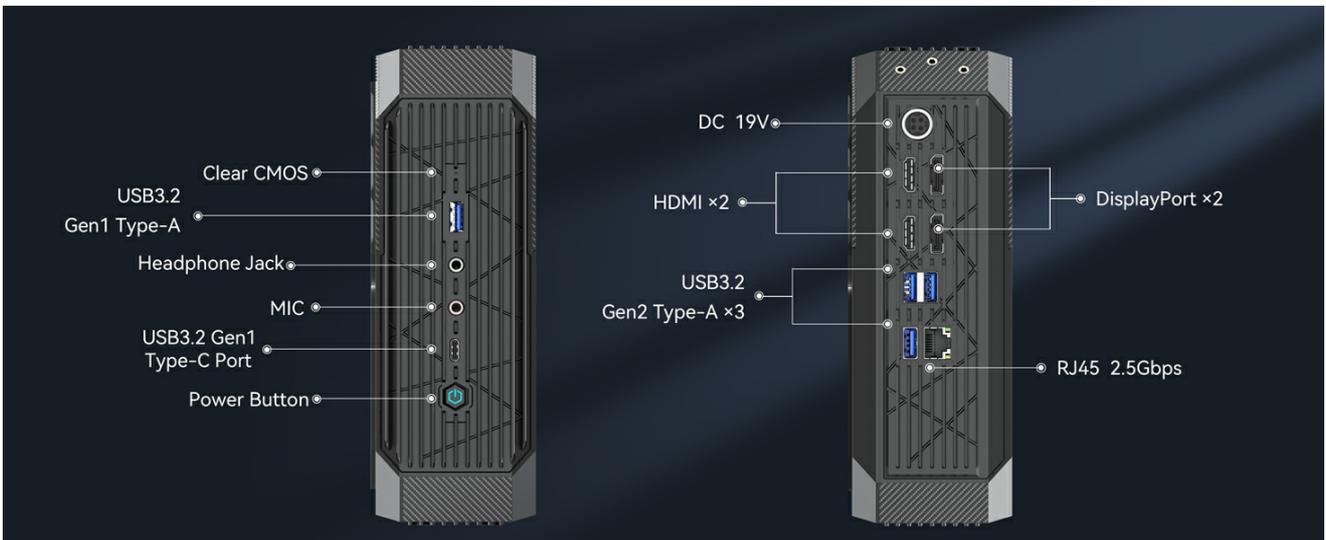


Image: Multiple Ports. This diagram illustrates the various connectivity options available on the Mini PC.

1.4 Initial Power On

After connecting all peripherals, plug the power adapter into the Mini PC and then into a power outlet. Press the power button located on the front panel to turn on the device. The system will boot up, and you can proceed with any initial operating system setup if required.

2. OPERATING INSTRUCTIONS

2.1 Basic Operation

The MINISFORUM HX77G Mini PC operates like a standard desktop computer. Use your connected keyboard and mouse to navigate the operating system. Ensure all drivers are up-to-date for optimal performance.

2.2 Multi-Display Setup

The HX77G supports up to four independent displays simultaneously, with 4K@60Hz output via two HDMI and two DisplayPort connections. This allows for an expanded workspace, enhancing productivity for various tasks.

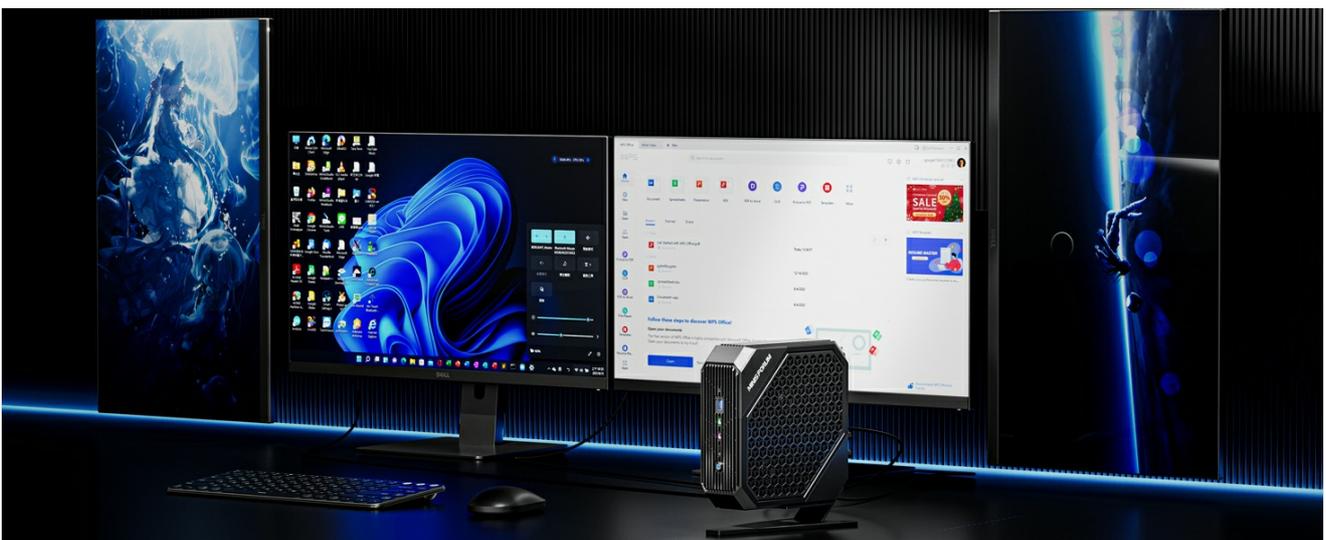


Image: Four Monitors Support. The Mini PC can connect to up to four displays for an extended desktop experience.

2.3 Gaming and Graphics Performance

Equipped with an AMD Ryzen 7 7735HS processor and AMD Radeon RX 6600M discrete graphics (GDDR6 8GB),

the HX77G is capable of handling light to moderate gaming and demanding graphical tasks. The AMD RDNA 2 architecture ensures high refresh rates and realistic visuals.

Video: Gaming performance demonstration. This video showcases gaming capabilities on a similar MINISFORUM model (HX90G) with AMD Ryzen and Radeon graphics.

3. MAINTENANCE

3.1 Storage Expansion

The Mini PC comes with 32GB DDR4 RAM and a 512GB 2280 NVMe SSD. It features two SODIMM slots, each upgradeable to 32GB, and one M.2 2280 SSD slot that supports up to 2TB (SATA SSD and NVMe SSD). This allows for significant storage and memory upgrades.



Image: Storage Expansion. This diagram illustrates the M.2 2280 PCIe SSD slot and DDR4 SODIMM slots for upgrades.

3.2 Efficient Heat Dissipation

The HX77G is designed with a dual-fan cooling system, liquid metal boosts, and 7 copper heat pipes to ensure efficient heat dissipation. This design allows the unit to run at low noise levels even under heavy loads, maintaining stable performance.



Image: Efficient Heat Dissipation. This image highlights the cooling components, including dual fans and copper heat pipes.

4. TROUBLESHOOTING

4.1 General Issues

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Try a different outlet if necessary.
- **No Display:** Verify that the HDMI or DisplayPort cables are firmly connected to both the Mini PC and the monitor. Check the monitor's input source settings.
- **Peripherals Not Responding:** Ensure USB devices (keyboard, mouse) are properly connected. Try different USB ports.

4.2 System Instability or Crashing

If the system experiences unexpected crashes or instability, consider the following:

- **Overheating:** While designed for efficient cooling, ensure the Mini PC has adequate ventilation. Avoid placing it in enclosed spaces. Monitor CPU/GPU temperatures using system monitoring software.
- **Driver Issues:** Ensure all system drivers, especially for graphics and chipset, are updated to the latest versions from the MINISFORUM or AMD official websites.
- **Software Conflicts:** Identify any recently installed software that might be causing conflicts. Try uninstalling or updating problematic applications.
- **Operating System Integrity:** Run system file checks or consider reinstalling the operating system if issues persist and are not hardware-related.

5. SPECIFICATIONS

Feature	Detail
Brand	MINISFORUM
Model Number	HX80G (Note: Product title refers to HX77G, HX80G is the item model number)
Processor	AMD Ryzen 7 7735HS (8C/16T up to 4.4Ghz)
Graphics Coprocessor	AMD Radeon RX 6600M (GDDR6 8GB)
RAM	32 GB DDR4 (2x SODIMM slots, up to 32GB each)
Hard Drive	512GB 2280 NVMe SSD (M.2 2280 SSD slot up to 2TB, supports SATA/NVMe)
Max Screen Resolution	3840 x 2160 pixels (4K@60Hz)
Display Outputs	2x HDMI, 2x DisplayPort (Quad Screen Support)
Wireless Type	802.11ax (Wi-Fi 6E)
Ethernet	RJ45 2.5 Gigabit Ethernet Port
USB Ports	5x USB 3.0 Ports (USB3.2 Gen1 Type-A x1, USB3.2 Gen2 Type-A x3, USB3.2 Gen1 Type-C x1)

Audio Ports	Headphone Jack, Microphone Jack
Operating System	OS (Pre-installed Windows 11 Pro typically)
Item Weight	6.07 pounds
Color	Black

6. WARRANTY AND SUPPORT

6.1 Warranty Information

The MINISFORUM HX77G Mini PC includes a manufacturer's warranty. Please refer to the warranty card included in your package or visit the official MINISFORUM website for detailed terms and conditions regarding warranty coverage and duration.

6.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or inquiries about your product, please contact MINISFORUM customer support. Contact information can typically be found on the official MINISFORUM website or in the documentation provided with your Mini PC.