MINIX NGC NR774

MINIX NR774 Mini PC User Manual

Model: NGC NR774

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your MINIX NR774 Mini PC. Please read this guide thoroughly before using the device to ensure proper functionality and longevity.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x MINIX NGC NR774 Mini PC
- 1 x VESA Mount with Screws
- 1 x Power Adapter with US/EU/UK Plug
- 1 x User Manual (this document)

3. PRODUCT OVERVIEW

The MINIX NR774 Mini PC is a compact desktop computer designed for various applications, from home office tasks to gaming and multimedia. It features a robust AMD Ryzen 7 8745HS processor, 32GB DDR5 RAM, and a 1TB PCIe 4.0 SSD, running on Windows 11 Pro.

3.1. Port Layout

Familiarize yourself with the available ports for connecting peripherals and network devices.

Image 3.1: Detailed diagram illustrating the front and rear port configurations of the MINIX NR774 Mini PC.

- **Front Ports:** Power Button, USB-A 3.2 Gen2 (x2), USB-C 4.0/PD 3.0 (x2), 3.5mm Audio Input/Output Combo Jack, Reset Hole.
- **Rear Ports:** DC IN Port, USB-A 2.0 (x2), HDMI, DP (DisplayPort), 2.5G RJ-45 Ethernet Port (x2).

4. SETUP GUIDE

Follow these steps for initial setup of your Mini PC.

4.1. Connecting Peripherals

1. **Connect Display:** Use an HDMI or DisplayPort cable to connect your monitor to the corresponding port on the rear of the Mini PC. For 8K resolution, ensure your monitor and cable support 8K@60Hz and connect via a single USB-C 4.0 port.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into any available USB-A ports.
3. **Connect Power:** Connect the power adapter to the DC IN port on the rear of the Mini PC, then plug the adapter into a power outlet.

4.2. Powering On

Press the power button located on the front of the Mini PC. The device will boot up, and the operating system will
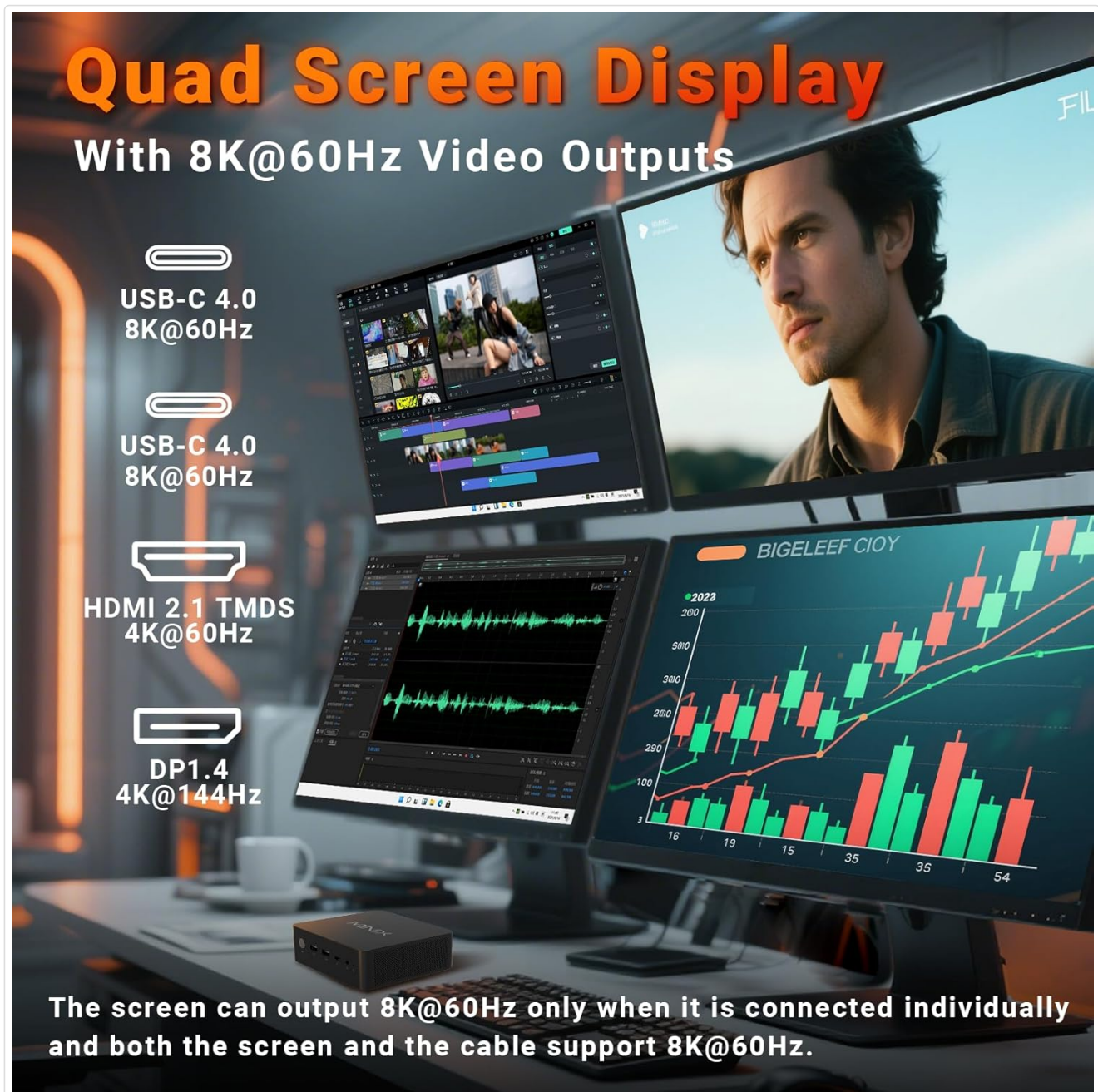
begin loading.

4.3. Initial Windows 11 Pro Setup

Upon first boot, you will be guided through the Windows 11 Pro setup process. Follow the on-screen instructions to configure language, region, network, and user accounts.

4.4. Multi-Display Configuration

The MINIX NR774 supports up to four displays simultaneously via HDMI, DisplayPort, and two USB-C 4.0 ports. To configure multiple displays:

1. Connect additional monitors to the available video output ports.
2. Once connected, right-click on the desktop and select 'Display settings' (Windows).
3. From the display settings, you can arrange your monitors, set their resolution, and choose display modes (e.g., Extend, Duplicate).

Image 4.1: The Mini PC supporting a quad-display setup, demonstrating its capability for enhanced productivity and immersive viewing experiences.

5. OPERATING INSTRUCTIONS

5.1. Basic Operation

The MINIX NR774 functions as a standard Windows 11 Pro desktop computer. Utilize the connected keyboard and mouse for navigation and interaction with the operating system and applications.

5.2. Network Connectivity

- **Wi-Fi 6E:** For wireless internet access, connect to your Wi-Fi network through Windows settings. The device supports 2.4GHz, 5GHz, and 6GHz bands for high-speed wireless communication.
- **Dual 2.5G LAN:** For wired network connections, plug Ethernet cables into the two 2.5G RJ-45 ports on the rear. This provides stable and high-speed multi-gigabit networking.
- **Bluetooth 5.2:** Pair Bluetooth devices such as headphones, speakers, or game controllers through Windows Bluetooth settings.
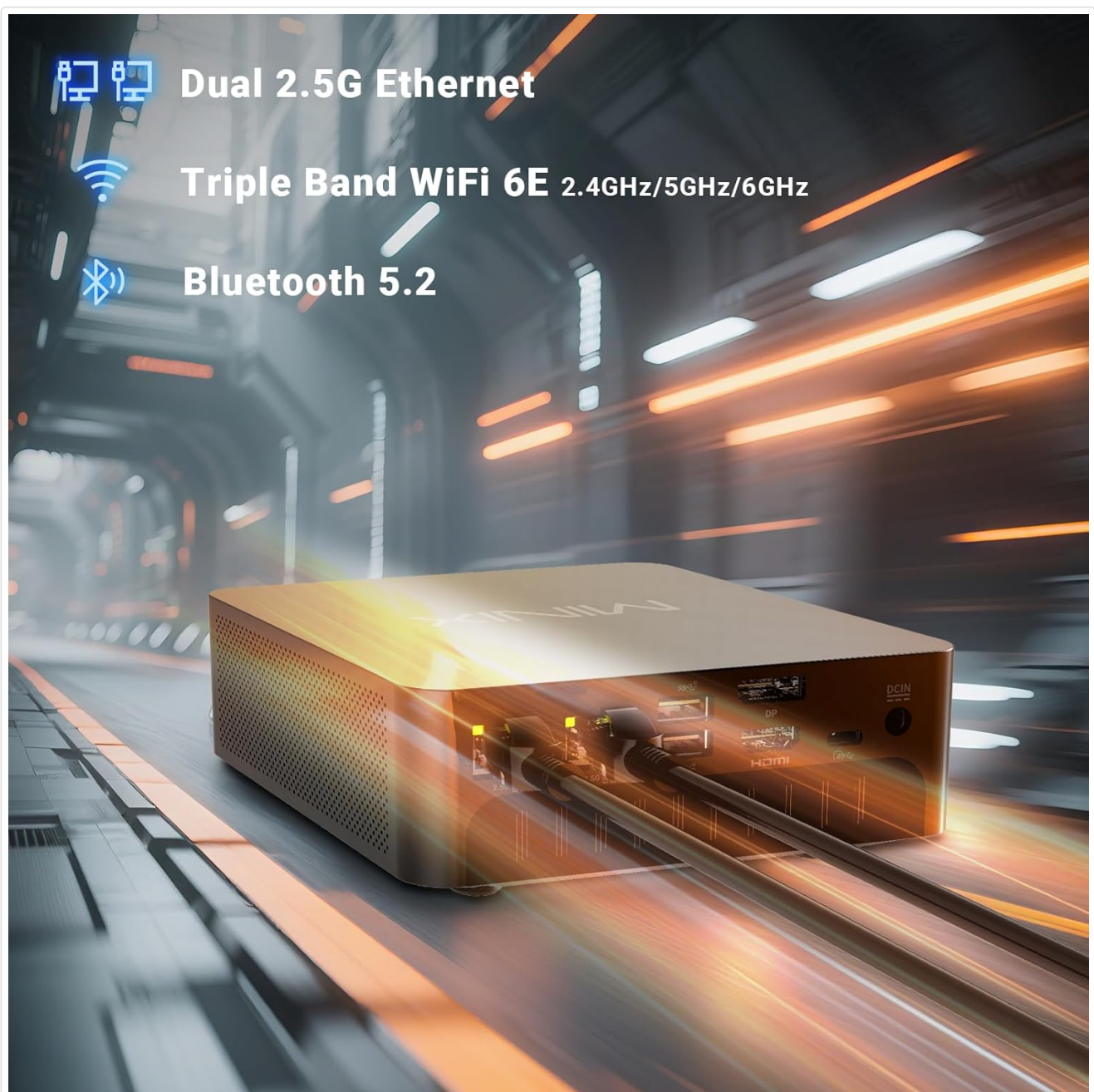

Image 5.1: Rear view of the Mini PC highlighting the dual 2.5G Ethernet ports, alongside other connectivity options.

5.3. USB4.0 Functionality

The two USB-C 4.0 ports on the front support data transfer speeds up to 40Gbps and can be used for external GPUs, high-speed storage, or additional display output (up to 8K@60Hz).

5.4. Diverse Applications

The MINIX NR774 is suitable for various uses, including:

- **Office Work:** Efficiently handle productivity applications and multitasking.
- **Home Theater:** Enjoy high-resolution streaming and media playback.
- **Video Editing:** Process and render video content with its powerful processor and ample memory.
- **Gaming:** Capable of running many games, especially at 1080p or 720p resolutions with appropriate settings.

Image 5.2: A user engaged in gaming, demonstrating the Mini PC's capability for entertainment.

6. MAINTENANCE

Regular maintenance helps ensure the optimal performance and longevity of your Mini PC.

6.1. General Care

- Keep the device in a clean, dry environment, away from direct sunlight and extreme temperatures.
- Avoid blocking the ventilation holes to ensure proper airflow.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners.
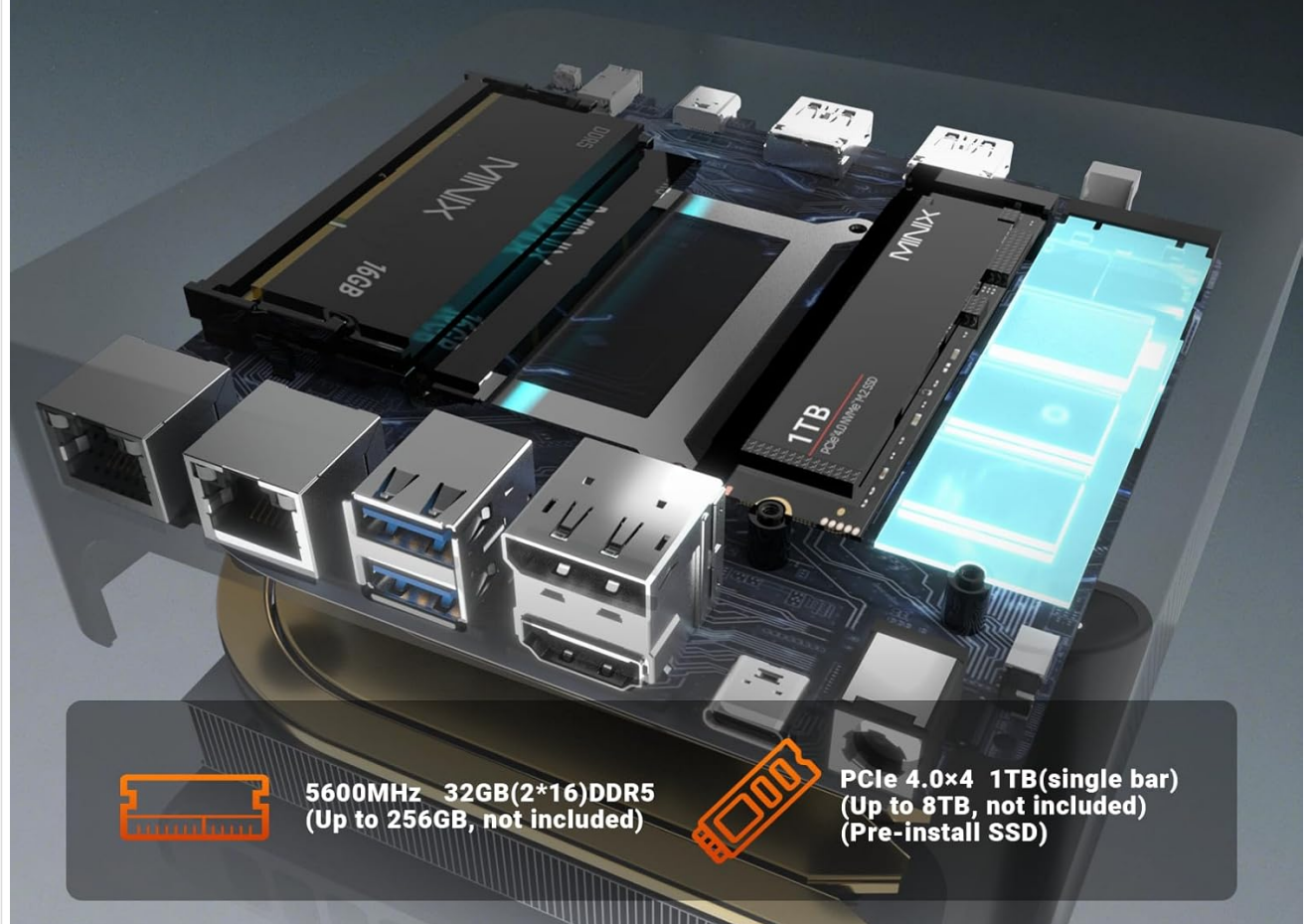
6.2. Storage and Memory Upgrades

The Mini PC supports upgrades for both RAM and SSD. It features two M.2 slots for storage and two DDR5 memory slots.

- **RAM:** The device comes with 32GB DDR5 memory and can be upgraded up to 256GB (not included). For optimal performance, especially in gaming, ensure dual-channel memory configuration.
- **SSD:** A 1TB PCIe 4.0 SSD is pre-installed. Storage can be expanded up to 8TB (not included) using additional M.2 PCIe 4.0 SSDs.

Consult a qualified technician for hardware upgrades to avoid damaging the device or voiding the warranty.

Image 6.1: Internal view of the Mini PC, illustrating the dual DDR5 RAM slots and M.2 PCIe 4.0 SSD slots for potential upgrades.

6.3. Cooling System

The Mini PC incorporates an advanced dual-fan cooling system with a heatsink to maintain optimal operating temperatures and minimize noise.
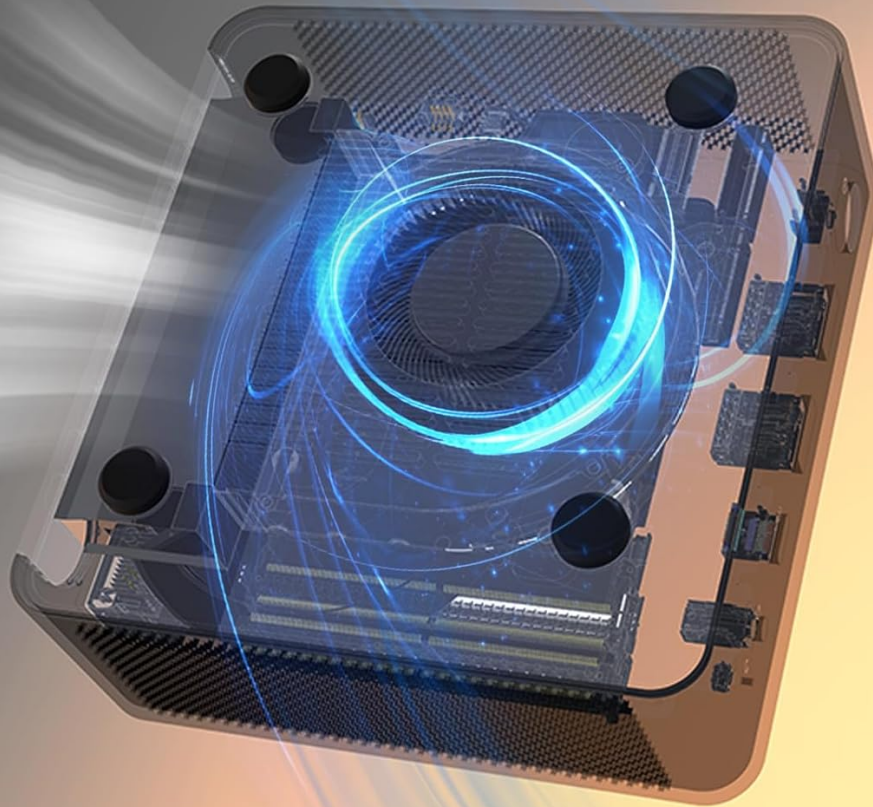
Image 6.2: Diagram showcasing the active cooling design of the Mini PC, featuring dual fans for efficient heat dissipation.

7. TROUBLESHOOTING

If you encounter issues with your MINIX NR774 Mini PC, refer to the following common solutions:

- **No Display:**

    - Ensure the monitor is powered on and the correct input source is selected.
    - Check that video cables (HDMI, DisplayPort, USB-C) are securely connected to both the Mini PC and the monitor.
    - Try a different video cable or monitor to rule out faulty equipment.

- **No Power:**

    - Verify the power adapter is correctly plugged into the Mini PC and a working power outlet.
    - Ensure the power button is pressed firmly.

- **Network Connectivity Issues:**

- For Wi-Fi, check if the Wi-Fi adapter is enabled in Windows settings and ensure you are connected to the correct network.
- For wired LAN, ensure Ethernet cables are properly connected and your router/modem is functioning.
- Restart your router/modem and the Mini PC.

- **Windows Not Loading/Operating System Issues:**

  - If Windows fails to load, try restarting the device.
  - If issues persist, consider using Windows recovery options (accessible during boot by pressing F8 or Shift + Restart).
  - Ensure all drivers are up to date.

- **Overheating:**

  - Ensure the Mini PC's ventilation holes are clear and not obstructed.
  - Operate the device in a well-ventilated area.

If these steps do not resolve the issue, please contact MINIX customer support.

8. SPECIFICATIONS

Detailed technical specifications for the MINIX NR774 Mini PC.

Feature	Specification
Brand	MINIX
Model Number	NGC NR774
Operating System	Windows 11 Pro
Processor	AMD Ryzen 7 8745HS (8 Cores/16 Threads, up to 4.9 GHz)
Graphics Coprocessor	AMD Radeon 780M (Integrated)
RAM	32GB DDR5 (Expandable up to 256GB)
Hard Drive	1TB PCIe 4.0 SSD (Expandable up to 8TB)
Max Screen Resolution	7680x4320 (8K)
Wireless Type	WiFi 6E (802.11ax), Bluetooth 5.2
Ethernet	Dual 2.5G LAN
USB Ports	2x USB-A 3.0, 2x USB-A 2.0, 2x USB-C 4.0
Video Output	HDMI, DisplayPort, 2x USB-C 4.0 (Quad Display Support)
Item Weight	1.62 pounds
Product Dimensions	5.45 x 5.17 x 2.05 inches

9. WARRANTY INFORMATION

MINIX products typically come with a standard manufacturer's warranty. For specific details regarding the warranty period and terms for your MINIX NR774 Mini PC, please refer to the warranty card included in your product packaging or visit the official MINIX website. Keep your proof of purchase for warranty claims.
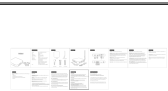
10. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or any inquiries regarding your MINIX NR774 Mini PC, please use the following contact methods:

- **Online Support:** Log in to your Amazon account, navigate to 'Your Orders', and select 'Ask Product Question' for the MINIX NR774.
- **Official Website:** Visit the official MINIX website for offline maintenance services and additional support resources.

Related Documents - NGC NR774

	[Minix NEO J50C-8SE Mini PC User Guide](#) User guide for the Minix NEO J50C-8SE Mini PC featuring Intel Celeron J4125 processor, 8 GB RAM, 240 GB SSD, and Windows 10 Pro. Learn about setup and usage.
	[Minix RK3568 Industrial PC (4GB RAM, 64GB) - Important Information & Specifications (Item 2896591)](#) Important information, operating instructions, country restrictions, declaration of conformity, disposal guidelines, and technical specifications for the Minix RK3568 Industrial PC (4GB RAM, 64GB storage, Item 2896591) published by Conrad Electronic.
	[MINIX X35-i Plus Setup Guide: Specifications, Basic Setup, and Features](#) Comprehensive setup guide for the MINIX X35-i Plus Android Mini PC. Learn about its specifications, basic setup, control methods, and Google Play Store integration.
	[MINIX U8K-ULTRA 8K UHD AI Media Hub User Guide](#) Comprehensive user guide for the MINIX U8K-ULTRA, an 8K UHD AI Media Hub powered by Android. Learn about specifications, setup, and controls.

	MINIX NEO G4 Dual Core Pocket PC Setup Guide Setup guide for the MINIX NEO G4 Dual Core Pocket PC running Android. Learn how to connect, perform basic setup, use Google Play Store, and control your device.
	MINIX NEO Z83-4 Max Fanless Mini PC User Guide Comprehensive guide for the MINIX NEO Z83-4 Max fanless mini PC, covering specifications, contents, overview of ports and features, and setup instructions.