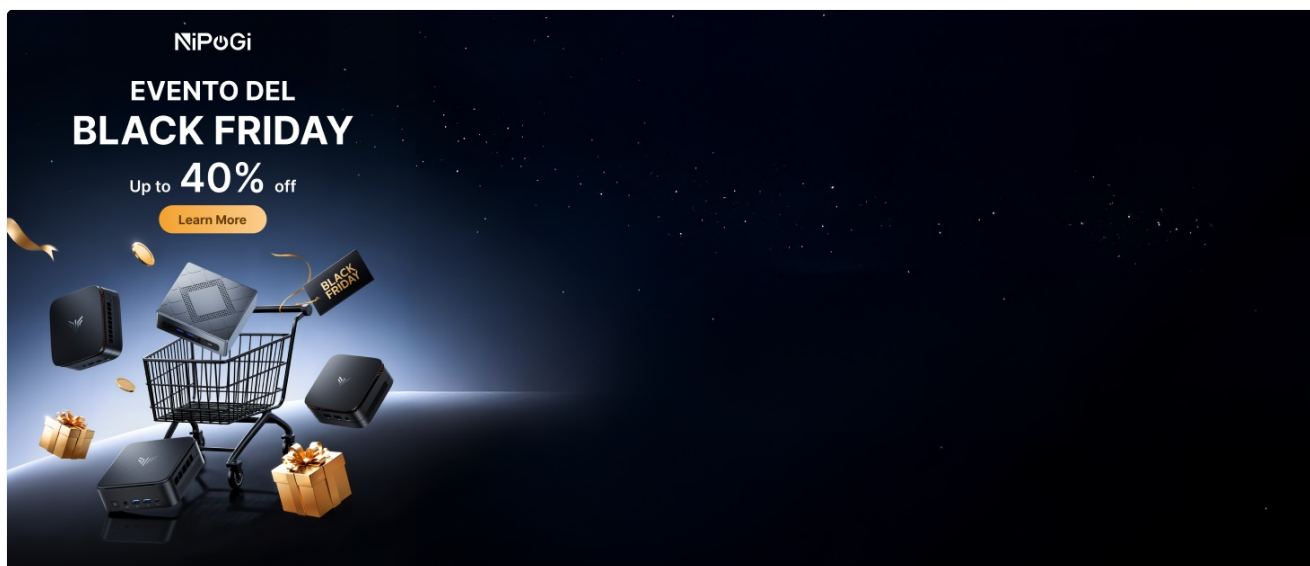**NiPoGi G1**

NiPoGi Gust G1 Mini PC User Manual

MODEL: G1 8945HS

1. INTRODUCTION

This user manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your NiPoGi Gust G1 Mini PC. Designed for high performance, this mini PC features an AMD Ryzen 9 8945HS processor, 32GB DDR5 RAM, a 1TB NVMe SSD, triple display support, WiFi 6E, and USB4 Type-C connectivity. Please read this manual thoroughly to ensure proper use and to maximize your device's potential.

NiPoGi G1 Mini PC overview with key specifications including AMD Ryzen 9 8945HS, AMD Radeon 780M, 32GB DDR5 RAM, 1TB PCIe 4.0 SSD, USB 4.0, Triple-Screen Display, WiFi 6E, Bluetooth 5.2, and 2.5GbE LAN.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1 NiPoGi G1 Mini PC
- 1 HDMI Cable
- 1 VESA Mount Bracket
- 1 Power Adapter
- 1 User Manual

3. PRODUCT OVERVIEW

Familiarize yourself with the various ports and components of your NiPoGi Gust G1 Mini PC.

Front and Rear Ports

Front and rear view of the NiPoGi G1 Mini PC, illustrating the power button, 3.5mm audio jack, USB3.2 Gen2 Type-A ports, USB4 Type-C port, USB3.2 Gen1 Type-A ports, 2.5Gbps LAN port, DP 2.0 port, HDMI 2.0 port, and DC IN port.

Front Panel:

- Power Button
- 3.5mm Audio Jack
- 2 x USB3.2 Gen2 Type-A Ports
- 1 x USB4 Type-C Port (Multi-functional, 40Gbps data transfer, DP1.4 support for 4K@120Hz or 8K@60Hz, up to 15W power output)

Rear Panel:

- 4 x USB3.2 Gen1 Type-A Ports
- 1 x 2.5Gbps LAN Port
- 1 x DP 2.0 Port
- 1 x HDMI 2.0 Port
- 1 x DC IN Port (Power Input)

4. SETUP GUIDE

4.1 Connecting Peripherals

1. Connect your keyboard and mouse to any available USB Type-A ports.

2. Connect your monitor(s) using the HDMI 2.0, DP 2.0, or USB4 Type-C ports. The device supports up to three displays simultaneously.

3. For wired network access, connect an Ethernet cable to the 2.5Gbps LAN port.

4.2 Powering On

1. Connect the power adapter to the DC IN port on the rear panel of the Mini PC.

2. Plug the power adapter into a wall outlet.

3. Press the Power Button located on the front panel to turn on the Mini PC.

4.3 Initial Windows Setup

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

4.4 VESA Mount Installation

The NiPoGi G1 Mini PC can be mounted to the back of a VESA-compatible monitor using the included bracket.

1. Attach the VESA mount bracket to the back of your monitor using the provided screws.

2. Slide the Mini PC onto the bracket until it clicks securely into place.

The compact size of the NiPoGi G1 Mini PC allows for VESA mounting, transforming any monitor into an all-in-one PC setup.

5. OPERATING INSTRUCTIONS

5.1 Triple Display Setup

The NiPoGi G1 supports connecting up to three displays simultaneously for enhanced productivity or immersive entertainment.

1. Connect your primary monitor to the HDMI 2.0 port.

2. Connect a second monitor to the DP 2.0 port.

3. Connect a third monitor to the USB4 Type-C port using a compatible cable or adapter.

4. Once connected, right-click on the desktop, select 'Display settings', and configure your displays (extend, duplicate, or show only on one).

A workstation demonstrating the NiPoGi G1 Mini PC connected to three monitors via HDMI 2.0, USB4 Type-C, and DP 2.0, supporting resolutions up to 8K/4K.

5.2 Network Connectivity

- **Wi-Fi 6E:** The Mini PC supports Wi-Fi 6E (802.11ax Extended) for high-speed wireless internet access. To connect, go to Windows Settings > Network & Internet > Wi-Fi, and select your network.
- **2.5Gbps LAN:** For a stable and faster wired connection, plug an Ethernet cable into the 2.5Gbps LAN port.
- **Bluetooth 5.2:** Connect wireless peripherals such as keyboards, mice, and headphones via Bluetooth. Go to Windows Settings > Bluetooth & devices to pair new devices.

5.3 USB4 Type-C Functionality

The USB4 Type-C port offers versatile functionality:

- **High-Speed Data Transfer:** Transfer data at speeds up to 40Gbps with compatible devices.
- **Display Output:** Supports DisplayPort 1.4, allowing for 4K resolution at 120Hz or 8K resolution at 60Hz.
- **Power Delivery:** Provides up to 15W of power output to charge compatible devices.

6. Maintenance and Upgrades

6.1 Cleaning

To maintain optimal performance, regularly clean the exterior of the Mini PC with a soft, dry cloth. Ensure ventilation openings are free from dust buildup. Do not use liquid cleaners or aerosols directly on the device.

6.2 RAM Upgrade

The NiPoGi G1 Mini PC comes with 32GB DDR5 5600MHz RAM (16GB + 16GB) and supports expansion up to 96GB using two DDR5 SO-DIMM slots.

1. Power off the Mini PC and disconnect all cables.
2. Carefully open the chassis (refer to the detailed instructions in the included user manual for specific steps).
3. Locate the DDR5 SO-DIMM slots.
4. Insert new RAM modules, ensuring they are properly seated and the clips lock them into place.
5. Close the chassis and reconnect all cables.

6.3 SSD Upgrade

The Mini PC includes a 1TB NVMe PCIe 4.0 SSD and features two M.2 2280 NVMe PCIe 3.0/4.0 SSD slots,

supporting up to 4TB of storage.

1. Follow steps 1 and 2 from the RAM upgrade section to open the chassis.
2. Locate the M.2 2280 SSD slots.
3. Insert the new M.2 SSD into an available slot and secure it with the retaining screw.
4. Close the chassis and reconnect all cables.
5. You may need to initialize and format the new SSD through Windows Disk Management before use.

Internal view of the NiPoGi G1 Mini PC, highlighting the two DDR5 SO-DIMM slots and two M.2 2280 NVMe PCIe 3.0/4.0 SSD slots for memory and storage expansion.

7. TROUBLESHOOTING

If you encounter issues with your NiPoGi Gust G1 Mini PC, refer to the following common problems and solutions:

- **No Power:**
  - Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
  - Verify the power outlet is functional by plugging in another device.
  - Press the power button firmly.

- **No Display:**
  - Check that the monitor is powered on and the correct input source is selected.
  - Ensure the HDMI, DP, or USB4 Type-C cable is securely connected to both the Mini PC and the monitor.
  - Try a different display cable or monitor to rule out faulty equipment.

- **No Internet Connection (Wi-Fi):**
  - Verify that Wi-Fi is enabled in Windows settings.
  - Ensure you are connected to the correct Wi-Fi network and have entered the password correctly.
  - Restart your router and modem.
  - Check for updated Wi-Fi drivers.

- **No Internet Connection (Wired LAN):**
  - Ensure the Ethernet cable is securely connected to both the Mini PC and your router/modem.

- Check the status lights on the LAN port; they should be active.
- Try a different Ethernet cable.
- Verify your router/modem is functioning correctly.

- **System Slowdown:**

  - Close unnecessary applications running in the background.
  - Check Task Manager for processes consuming high CPU, RAM, or disk usage.
  - Ensure Windows is up to date and drivers are current.
  - Run a disk cleanup and defragmentation (for HDDs, not typically needed for SSDs).
  - Consider upgrading RAM or SSD if performance issues persist under heavy load.

If these steps do not resolve your issue, please contact NiPoGi customer support for further assistance.

8. SPECIFICATIONS

Below are the detailed technical specifications for the NiPoGi Gust G1 Mini PC:

Feature	Specification
Brand	NiPoGi
Model Series	G1
Processor Brand	AMD
Processor Type	Ryzen 9 8945HS
Processor Speed	4 GHz (Base), up to 5.2 GHz (Max Boost)
Number of Processors	8 Cores
Cache Size	16 MB L3 Cache
RAM Size	32 GB (16GB + 16GB)
RAM Technology	DDR5 SO-DIMM
Memory Clock Speed	5600 MHz
Maximum Supported Memory	96 GB
Hard Disk Size	1 TB
Hard Disk Description	NVMe PCIe 4.0 SSD
Hard Disk Interface	PCIE x 4 (M.2 2280 slots, up to 4TB)
Graphics Coprocessor	Integrated Graphics (AMD Radeon 780M)
Graphics Card Description	Integrated
Graphics Card Memory Type	DDR5 SDRAM
Connectivity Type	802.11ax (Wi-Fi 6E), Bluetooth 5.2
USB 3.0 Ports	6 (2x USB3.2 Gen2 Type-A, 4x USB3.2 Gen1 Type-A)

Feature	Specification
USB4 Type-C Ports	1
HDMI Ports	1 (HDMI 2.0)
DisplayPort	1 (DP 2.0)
Ethernet Ports	1 (2.5Gbps LAN)
Operating System	Windows 11 Pro
Product Dimensions	12.9 x 12.9 x 5.1 cm (approx.)
Item Weight	1.44 Kilograms

9. WARRANTY AND SUPPORT

Warranty Information

The NiPoGi Gust G1 Mini PC comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official NiPoGi website for detailed terms and conditions regarding warranty coverage, duration, and service procedures.

Customer Support

For technical assistance, troubleshooting, or any product-related inquiries, please contact NiPoGi customer support through the following channels:

- **Email:** support@nipogi.com (Example email, please refer to actual product documentation for correct contact)
- **Website:** Visit the official NiPoGi website for FAQs, driver downloads, and additional support resources.

When contacting support, please have your product model (G1 8945HS) and purchase information readily available.