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CyberGeek T1

CyberGeek Mini PC T1 User Manual

Model: T1 (Intel Core i9-11900H, 32GB RAM, 1TB SSD)

1. INTRODUCTION

This manual provides comprehensive instructions for the CyberGeek Mini PC T1. It covers hardware setup, operating procedures, maintenance guidelines, troubleshooting tips, and detailed product specifications. Please read this manual thoroughly before using your device to ensure proper operation and longevity.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the device or injury to yourself:

- Ensure the power adapter is compatible with your local power supply.
- Do not expose the device to water, moisture, or extreme temperatures.
- Avoid placing the device in direct sunlight or near heat sources.
- Do not open the casing or attempt to repair the device yourself. Refer to qualified service personnel.
- Use only approved accessories and peripherals.
- Keep ventilation openings clear to prevent overheating.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- CyberGeek Mini PC T1 Unit
- Power Adapter
- Power Cord
- HDMI Cable
- User Manual (this document)

Mini Size & Portable



Figure 3.1: Package Contents

4. PRODUCT OVERVIEW

The CyberGeek Mini PC T1 is a compact and powerful computing solution. Familiarize yourself with its components and ports.

4.1 Front Panel



Figure 4.1: Front View of Mini PC T1

- **Power Button:** Press to turn the PC on or off.
- **USB 3.0 Ports (x2):** For connecting high-speed USB devices.
- **USB Type-C Port (x1):** For data transfer and display output.
- **Headphone Jack (Line-out):** For audio output.
- **Microphone Jack (Mic-in):** For audio input.

4.2 Rear Panel



Figure 4.2: Rear View and Port Layout

- **DC-in Port:** Connect the power adapter here.
- **HDMI Port (x1):** For connecting to a display.
- **DisplayPort (DP) (x1):** For connecting to a display.
- **USB 3.0 Ports (x2):** For connecting high-speed USB devices.
- **USB 2.0 Ports (x2):** For connecting standard USB devices.
- **LAN Ports (RJ45 x2):** For wired network connections.

4.3 Key Features

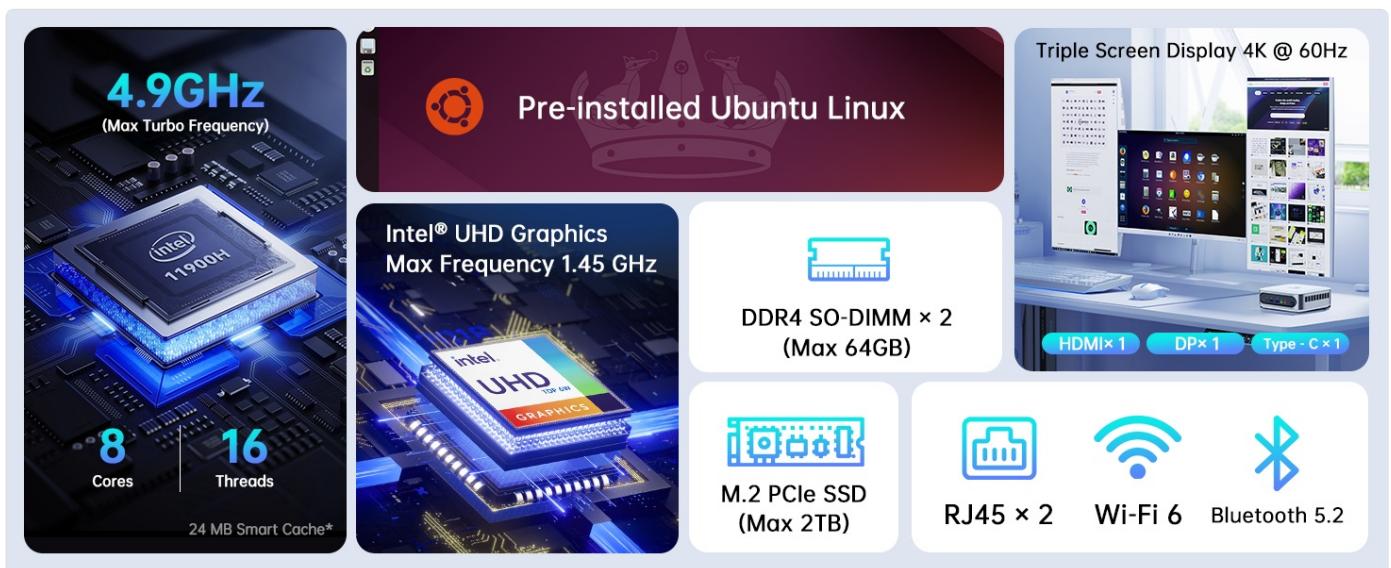


Figure 4.3: Key Features Overview

- **Processor:** 11th Gen Intel Core i9-11900H (8 Cores, 16 Threads, up to 4.9GHz).
- **Graphics:** Integrated Intel UHD Graphics.

- **Memory:** 32GB DDR4 RAM (expandable up to 64GB).
- **Storage:** 1TB PCIe NVMe SSD (expandable up to 2TB).
- **Operating System:** Pre-installed Ubuntu Linux.
- **Connectivity:** Wi-Fi 6, Bluetooth 5.2, Dual Gigabit LAN.
- **Display Output:** Supports 4K Triple Display via HDMI, DisplayPort, and Type-C.
- **USB Ports:** 6 USB ports (4x USB 3.0, 2x USB 2.0) and 1x USB Type-C.

5. SETUP INSTRUCTIONS

5.1 Connecting Peripherals

1. **Connect Display:** Connect your monitor(s) to the Mini PC using the HDMI, DisplayPort, or USB Type-C ports. For triple display, use a combination of these ports.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into any available USB ports. Wireless peripherals can be connected via Bluetooth 5.2.
3. **Connect Network (Optional):** For a wired connection, connect an Ethernet cable from your router or modem to one of the LAN ports on the rear panel. For Wi-Fi, ensure your wireless network is available.
4. **Connect Power:** Plug the power adapter into the DC-in port on the rear panel, then connect the power cord to an electrical outlet.

5.2 Powering On

Press the power button located on the front panel of the Mini PC. The power indicator light will illuminate, and the system will begin to boot.

5.3 Initial Configuration (Ubuntu Linux)

Upon first boot, you will be guided through the initial setup process for Ubuntu Linux. Follow the on-screen prompts to:

- Select your language.
- Choose your keyboard layout.
- Connect to a Wi-Fi network (if not using wired LAN).
- Set your time zone.
- Create a user account and password.

Once the setup is complete, your CyberGeek Mini PC T1 is ready for use.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Shut Down/Restart:** Access the system menu in Ubuntu to safely shut down or restart the computer.
- **Sleep Mode:** The system can enter sleep mode to conserve power. Wake it by pressing a key on the keyboard or moving the mouse.
- **Software Installation:** Use the Ubuntu Software Center or command line (APT) to install applications.

6.2 Triple Display Setup

The Mini PC T1 supports up to three 4K displays simultaneously. Connect your monitors using a combination of the available ports:

- 1x HDMI Port
- 1x DisplayPort (DP)
- 1x USB Type-C Port (requires a compatible Type-C to DisplayPort/HDMI adapter or monitor)

After connecting, navigate to your display settings in Ubuntu to configure display arrangement, resolution, and orientation.



Figure 6.1: Triple Display Configuration

6.3 Network Connectivity

The Mini PC T1 offers versatile network options:

- **Wi-Fi 6:** Connect to wireless networks for high-speed internet access. Configure Wi-Fi settings through the Ubuntu network manager.
- **Bluetooth 5.2:** Pair with Bluetooth-enabled devices such as keyboards, mice, headphones, and speakers.
- **Dual LAN:** Utilize the two Gigabit Ethernet ports for stable wired network connections, supporting advanced networking configurations.

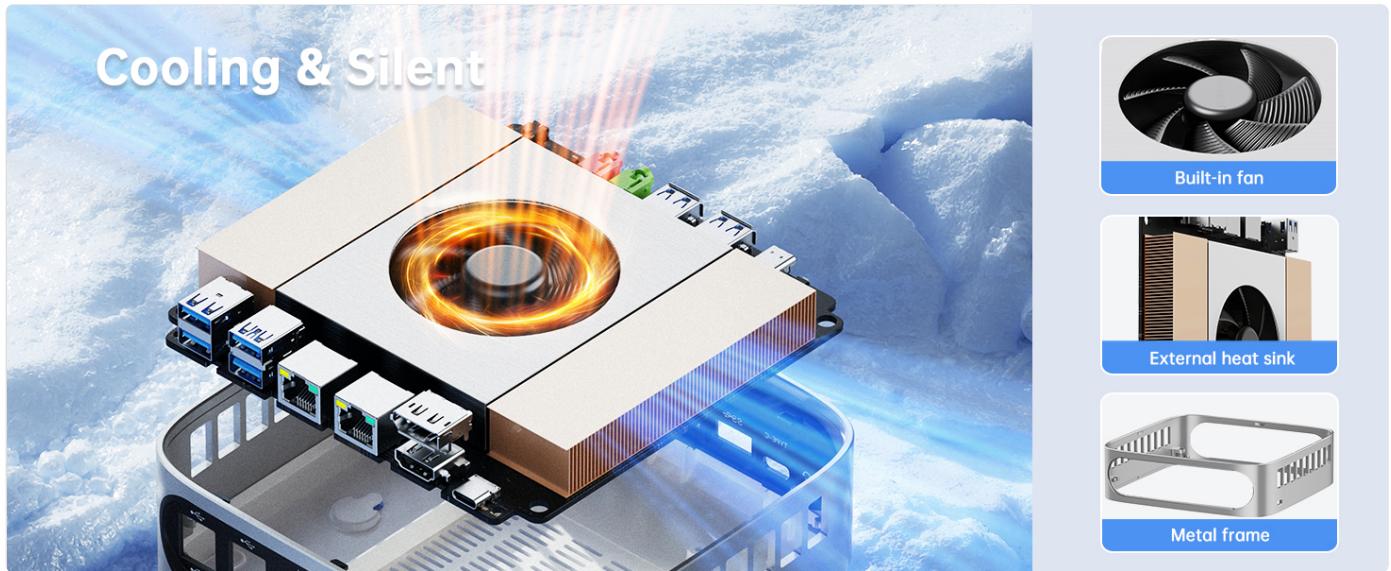


Figure 6.2: Dual LAN Connectivity

7. MAINTENANCE

7.1 Cleaning

- Disconnect the power before cleaning.
- Use a soft, dry cloth to wipe the exterior of the device.
- Use compressed air to gently clear dust from ventilation openings. Do not insert objects into the vents.

7.2 Software Updates

Regularly update your Ubuntu Linux operating system and installed applications to ensure security and optimal performance. Use the built-in Software Updater tool in Ubuntu.

7.3 Storage and Memory Expansion

The CyberGeek Mini PC T1 supports upgrades for both RAM and SSD storage:

- **RAM:** The device has two DDR4 SO-DIMM slots, supporting up to 64GB total RAM.
- **SSD:** It features an M.2 PCIe SSD slot, supporting up to 2TB storage.

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



Figure 7.1: Memory and Storage Expansion

8. TROUBLESHOOTING

If you encounter issues with your CyberGeek Mini PC T1, refer to the following common solutions:

Problem	Possible Cause	Solution
No display on monitor	Loose cable connection, incorrect input source, faulty cable/monitor.	Check all display cable connections. Ensure the monitor is set to the correct input source (HDMI, DP, Type-C). Test with a different cable or monitor if possible.
No power	Power adapter not connected, faulty power outlet.	Verify the power adapter is securely connected to both the PC and the power outlet. Test the outlet with another device.
Wi-Fi/Bluetooth not working	Drivers not installed, disabled in settings, interference.	Check Ubuntu network settings to ensure Wi-Fi/Bluetooth is enabled. Ensure all system updates are installed. Move the device away from potential interference sources.

Problem	Possible Cause	Solution
System slow or unresponsive	Too many applications running, low disk space, overheating.	Close unnecessary applications. Check available disk space. Ensure ventilation openings are clear. Restart the PC.

9. SPECIFICATIONS

Detailed technical specifications for the CyberGeek Mini PC T1:

Feature	Detail
Brand	CyberGeek
Model Number	T1
Processor	11th Gen Intel Core i9-11900H (8 Cores, 16 Threads, up to 4.9 GHz)
Graphics	Intel UHD Graphics
RAM	32 GB DDR4 (2x SO-DIMM slots, Max 64GB)
Storage	1 TB PCIe SSD (M.2 2280, Max 2TB)
Operating System	Ubuntu Linux
Display Output	1x HDMI, 1x DisplayPort, 1x USB Type-C (Supports 4K Triple Display)
USB Ports	4x USB 3.0, 2x USB 2.0, 1x USB Type-C
Network	Wi-Fi 6 (802.11ax), Bluetooth 5.2, Dual Gigabit LAN (RJ45 x2)
Audio	Mic-in, Line-out
Dimensions (LxWxH)	6.14 x 6.14 x 2.16 inches (15.6 x 15.6 x 5.5 cm)
Weight	3.66 pounds (1.66 kg)
Power Source	AC Adapter

10. WARRANTY AND SUPPORT

CyberGeek products are covered by a limited warranty. For specific warranty terms, registration, and technical support, please refer to the official CyberGeek website or contact their customer service. Keep your purchase receipt for warranty claims.

For further assistance, visit the [CyberGeek Store on Amazon](#).

	<p><u>CyberGeek Nano J1 Mini PC Quick Start Guide and Specifications</u></p> <p>Get started quickly with the CyberGeek Nano J1 Mini PC. This guide covers setup, installation, product specifications, and FCC compliance for your compact computing solution.</p>
	<p><u>CyberGeek Nano J1 Mini PC Quick Start Guide Setup & Specifications</u></p> <p>Get started quickly with the CyberGeek Nano J1 Mini PC. This guide covers setup, product specifications, VESA mounting, and troubleshooting for your compact computer.</p>
	<p><u>CyberGeek Nano T1 Mini PC: Specifications, Features, and User Guide</u></p> <p>Detailed information about the CyberGeek Nano T1 Mini PC, including technical specifications, interface details, usage instructions, warranty, and regulatory compliance.</p>
	<p><u>T1 LED Projector Quick Guide - Setup, Features, and Troubleshooting</u></p> <p>Comprehensive quick guide for the T1 LED Projector, covering setup, product overview, connectivity options, screen mirroring (iOS, Mac, Android), maintenance, troubleshooting, and warranty information.</p>
	<p><u>User Manual: T1 All-in-One Portable Charger with Built-in Cables</u></p> <p>Comprehensive user manual for the T1 portable charger, detailing specifications, charging instructions for phones and the power bank, button functions, LCD display status, and important safety guidelines.</p>
	<p><u>CyberGeek Nano J1 Mini PC Quick Start Guide and Specifications</u></p> <p>Get started quickly with the CyberGeek Nano J1 Mini PC. This guide covers setup, installation, product specifications, and FCC compliance for your compact computing solution.</p>