Machenike 4762H

Machenike Machcreator Mini Desktop User Manual

Model: 4762H | Brand: Machenike

1. INTRODUCTION

The Machenike Machcreator Mini Desktop (Model 4762H) is a compact and powerful computing solution designed for various tasks, from office productivity and streaming to light gaming. Featuring a 13th Gen Intel Core i7-13620H processor, 16GB of high-speed DDR5 RAM, and a fast 512GB PCIe M.2 SSD, this mini PC delivers efficient performance in a small form factor. It supports 4K dual monitor output and comes pre-installed with Windows 11 Pro, offering a streamlined and intuitive user experience.

2. WHAT'S IN THE BOX

Please ensure all the following items are included in your package:

- Machenike Machcreator Mini Desktop (Model 4762H)
- Power Adapter
- Power Cord
- HDMI Cable
- VESA Mounting Bracket
- Mounting Screws
- User Manual

3. PRODUCT OVERVIEW

3.1. Front and Rear Ports

The Machenike Machcreator Mini Desktop offers a comprehensive set of ports for versatile connectivity:

- **Front Ports:** 2 x USB 3.2 Gen2 Type-A ports, 1 x USB Type-C, 1 x 3.5mm Audio Jack
- **Rear Ports:** 2 x RJ45 Ethernet ports, 4 x USB 3.2 Gen2 Type-A ports, 1 x HDMI 2.0, 1 x DisplayPort 1.4

PCIe 4.0 SSD

Pre-installed SSD dual M.2 supports expansion

Up to 64GB DDR5 RAM

Up to 4TB PCIe SSD

Image: Overview of the front and rear connectivity ports on the mini PC.

3.2. Cooling System

The mini PC features an all-new wind blade cooling system with a twin turbine cooling fan and a deluxe all-copper radiator. This design ensures efficient heat dissipation, preventing performance degradation due to overheating and maintaining stable network connections. Three preset modes (Silence, Balance, Performance) are available in the BIOS to match usage scenarios, allowing up to 65W performance release.
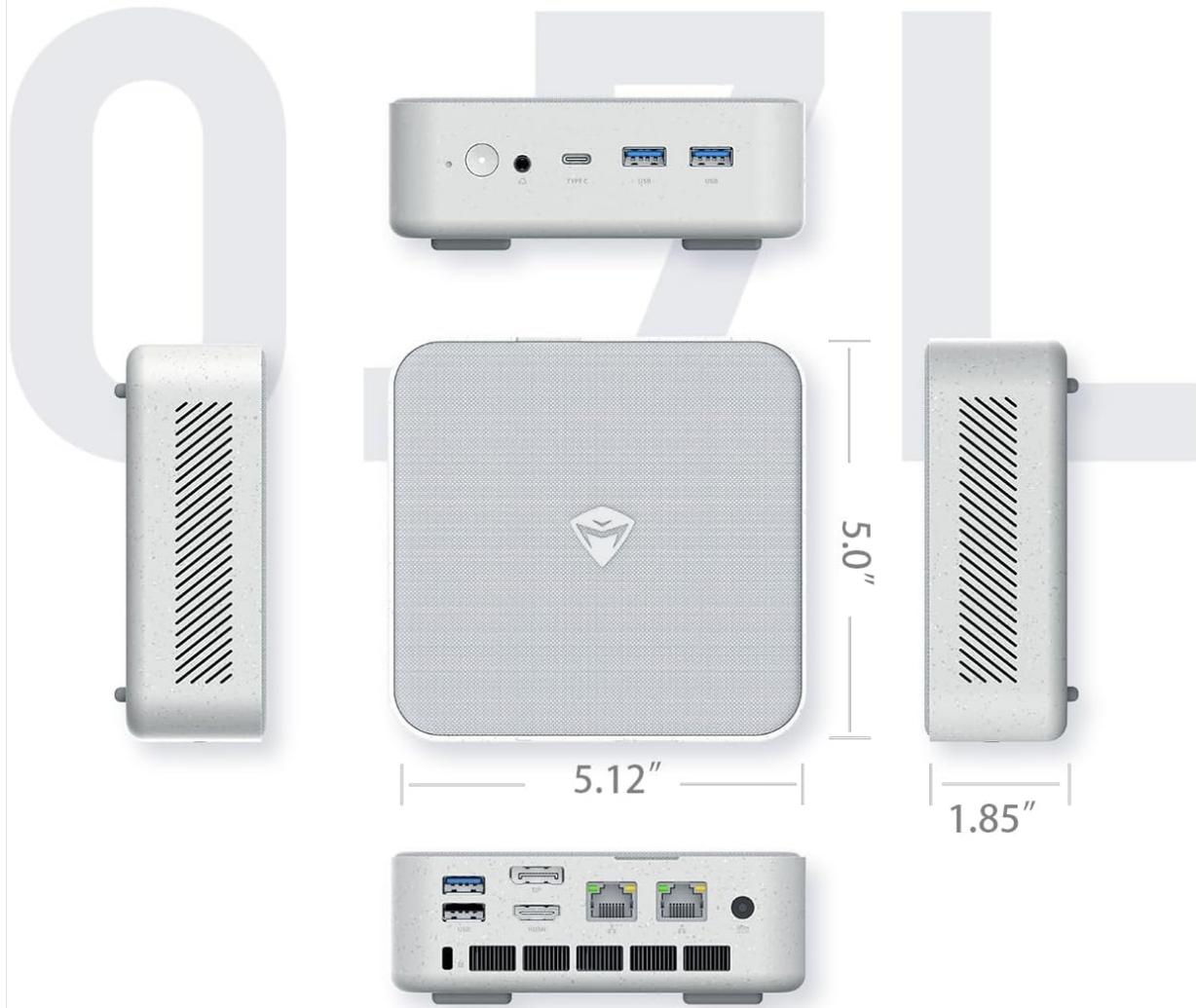
Image: Diagram illustrating the internal cooling system with twin fans and copper radiator.

3.3. Compact Design

The Machcreator Mini2 is approximately 0.7L in size, making it highly portable and space-efficient. Its compact dimensions (5.12 x 5 x 1.85 inches) allow it to fit seamlessly into any workspace, reducing clutter and offering flexible placement options, including VESA mounting behind a monitor.

Compact interface super power

Front Ports: 2 x USB 3.2 Gen2 Type-A ports, 1 x USB Type-C, 1 x 3.5mm Audio Jack

Rear Ports: 1 x USB 3.2 Gen2 Type-A ports, 1 x USB2.0, 1 x DP1.4、1 x HDMI2.0, 2 x RJ45

5.0"

5.12"

1.85"

Machcreator Mini2 is about 0.7L in size,
which is only 1/20 the size of a regular desktop

Image: Visual representation of the mini PC's compact dimensions and various port views.

4. SETUP

4.1. Connecting Peripherals

1. Connect your monitor(s) to the HDMI 2.0, DisplayPort 1.4, or USB Type-C ports using appropriate cables. The device supports up to 4K dual monitor output.

2. Connect your keyboard and mouse to the available USB 3.2 Gen2 Type-A ports.

3. If using a wired network, connect an Ethernet cable to one of the RJ45 ports. For wireless connectivity, the device supports Wi-Fi 6.

4. Connect the power adapter to the DC-in port on the mini PC, then plug the power cord into an electrical outlet.

4.2. Powering On and Initial Setup

1. Press the power button located on the front of the mini PC. The power indicator light will illuminate.
2. The device will boot into Windows 11 Pro. Follow the on-screen instructions to complete the initial setup, including language, region, network connection, and user account creation.
3. It is recommended to connect to the internet during setup to ensure the latest drivers and security updates are installed.

5. OPERATING INSTRUCTIONS

5.1. Windows 11 Pro

Your Machenike Machcreator Mini Desktop comes with Windows 11 Pro pre-installed. This operating system is designed to streamline your workflow by arranging open applications using pre-set configurations for enhanced efficiency. Enjoy a more intuitive navigation system that facilitates task completion and leverages advanced features for seamless collaboration.

Image: Windows 11 Pro desktop environment showcasing various application types.

5.2. Performance for Daily Tasks

Equipped with an Intel Core i7-13620H processor (10 Cores, 16 Threads, up to 4.9 GHz) and 16GB DDR5 RAM, the mini PC is capable of handling multiple applications and browser tabs simultaneously without lag. The 512GB PCIe M.2 SSD ensures fast boot-up times and rapid data transfer, making it ideal for business, office, and general computing tasks.

Image: Detailed specifications of the Intel Core i7-13620H processor.

6. MAINTENANCE

6.1. Software Updates

Regularly check for and install Windows updates to ensure your system has the latest security patches and

performance improvements. Go to **Settings > Windows Update** to manage updates.

6.2. Cleaning

To maintain optimal performance and prevent dust buildup, periodically clean the exterior of the mini PC with a soft, dry cloth. Ensure the ventilation grilles are free from obstructions to allow proper airflow.

7. UPGRADING COMPONENTS

The Machenike Machcreator Mini Desktop is designed to allow for easy upgrades of its RAM and SSD storage:

- **RAM:** The device supports DDR5 SODIMM RAM. You can upgrade the existing 16GB RAM to a higher capacity (e.g., up to 64GB) by replacing the SODIMM modules.
- **SSD:** The mini PC comes with a 512GB PCIe M.2 SSD. It supports dual M.2 SSDs, allowing for expansion up to 4TB. This provides ample space for data and applications.

For detailed instructions on accessing and replacing components, please refer to the manufacturer's official support documentation or consult a qualified technician.
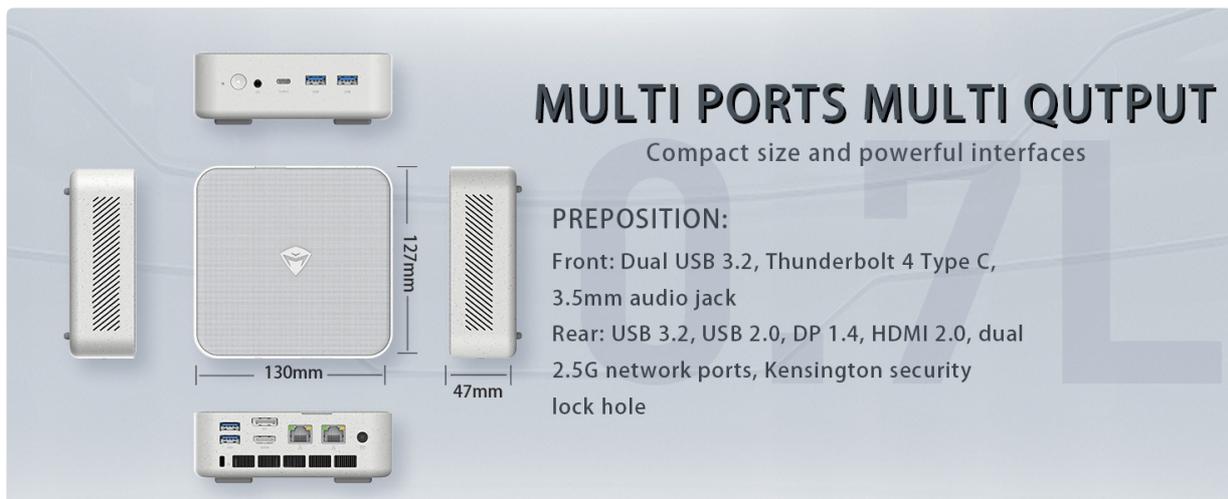

MULTI PORTS MULTI QUTPUT

Compact size and powerful interfaces

127mm

130mm

47mm

PREPOSITION:

Front: Dual USB 3.2, Thunderbolt 4 Type C, 3.5mm audio jack

Rear: USB 3.2, USB 2.0, DP 1.4, HDMI 2.0, dual 2.5G network ports, Kensington security lock hole

Image: Illustration of the PCIe 4.0 SSD and DDR5 RAM slots, highlighting expansion options.

8. TROUBLESHOOTING

8.1. No Display Output

- Ensure the monitor is powered on and correctly connected to the mini PC's HDMI, DisplayPort, or USB Type-C video output.
- Verify that the correct input source is selected on your monitor.
- Try using a different video cable or port.

8.2. System Not Powering On

- Check that the power adapter is securely connected to both the mini PC and a working electrical outlet.

- Ensure the power button is pressed firmly.

8.3. Performance Issues / Slowdown

- Close unnecessary applications running in the background.
- Check for and install any pending Windows updates or driver updates.
- Ensure the mini PC's ventilation is not obstructed and that it's placed in a well-ventilated area to prevent overheating.

9. SPECIFICATIONS

Feature	Specification
Processor	Intel Core i7-13620H (10 Cores, 16 Threads, up to 4.9 GHz)
RAM	16GB DDR5 SODIMM (Expandable)
Storage	512GB PCIe M.2 SSD (Expandable up to 4TB)
Graphics	Intel UHD Graphics (Integrated)
Operating System	Windows 11 Pro
Video Output	HDMI 2.0, DisplayPort 1.4, USB Type-C (Supports 4K Dual Monitor)
Connectivity	Wi-Fi 6, Bluetooth, 2 x RJ45 Ethernet
USB Ports	4 x USB 3.2 Gen2 Type-A, 1 x USB Type-C
Audio	1 x 3.5mm Audio Jack
Dimensions	5.12 x 5 x 1.85 inches
Weight	6 pounds

10. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Machenike website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.