Machenike 3545HD4

Machenike Machcreator Mini PC User Manual

MODEL: 3545HD4

1. Introduction

This manual provides essential instructions for setting up, operating, and maintaining your Machenike Machcreator Mini PC, Model 3545HD4. This compact desktop computer is equipped with an Intel Core i5-12450H processor, 64GB DDR4 RAM, and a 2TB PCIe M.2 SSD, running on Windows 11 Pro. It is designed for efficient performance in various applications, supporting dual 4K monitors and offering extensive connectivity options.

A general view of the Machenike Machcreator Mini PC, showcasing its compact and modern design.

2. Package Contents

Verify that all items are present in the package:

- MACHENIKE Machcreator Mini Desktop
- Power Adapter
- User Manual (this document)
- VESA Mount Kit (may be included depending on specific model variant)
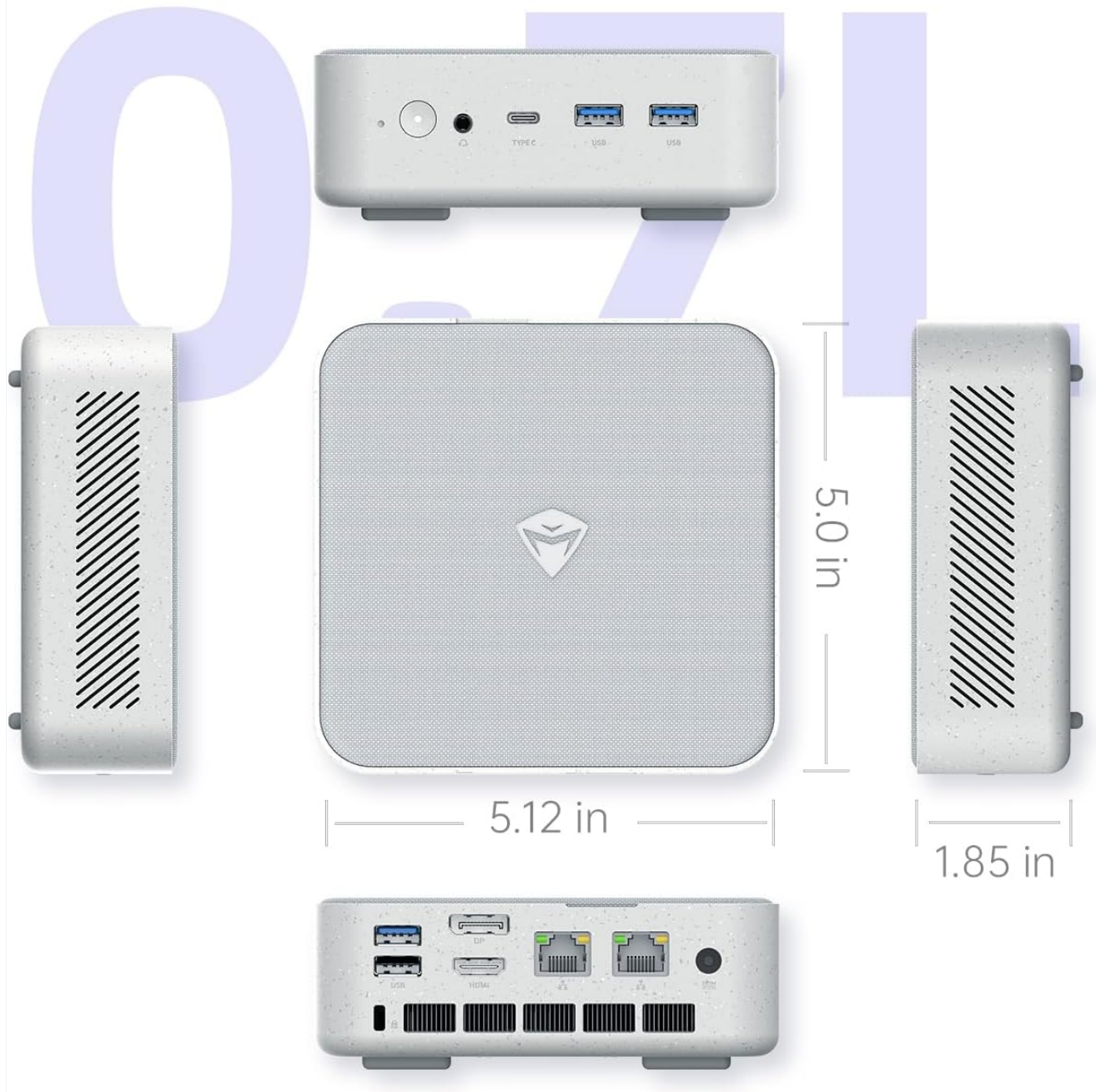
3. Product Overview

The Machenike Machcreator Mini PC is designed for versatility and performance in a small form factor. Familiarize yourself with its physical features and ports.

Small but Powerful

Front：2xUSB3.2、Thunderbolt4 Type C、3.5mm Headphone Jack

Rear：USB3.2、USB2.0、DP1.4、HDMI2.0、Dual 2.5G Lan

5.0 in

5.12 in

1.85 in

This diagram provides the physical dimensions of the Machenike Machcreator Mini PC (approximately 5.12 x 5 x 1.85 inches) and a detailed layout of its front and rear ports.

Front Panel Ports:

- **Power Button:** To turn the device on or off.
- **3.5mm Audio Jack:** For headphones or external speakers.
- **USB 3.2 Gen 2 Type-C Port:** For high-speed data transfer and display output (Thunderbolt 4 compatible).
- **2 x USB 3.2 Gen 2 Type-A Ports:** For connecting USB devices.

Rear Panel Ports:

- **2 x USB 2.0 Type-A Ports:** For connecting standard USB devices.

- **HDMI 2.0 Port:** For connecting to a display.
- **DisplayPort 1.4:** For connecting to a display.
- **2 x 2.5G Ethernet Ports:** For high-speed wired network connections.
- **Power Input:** For connecting the power adapter.

CREATOR MINI PC II

▶ i5-12450H, Mini PC, Powerful, Pleasing

This image displays the front and rear panels of the Machenike Machcreator Mini PC, illustrating the various input/output ports available for connectivity.

4. Setup Instructions

1. **Connect Power:** Plug the power adapter into the Mini PC's power input port, then connect it to a power outlet.

2. **Connect Display:** Connect your monitor(s) to the Mini PC using either the HDMI or DisplayPort. For dual monitor setup, use both ports.

3. **Connect Peripherals:** Connect your USB keyboard, mouse, and any other USB devices to the available USB ports.

4. **Network Connection (Optional):** For a wired internet connection, connect an Ethernet cable to one of the 2.5G Ethernet ports. For wireless, ensure Wi-Fi is enabled during initial setup.

5. **Power On:** Press the power button on the front panel. The system will boot up.

6. **Initial Windows Setup:** Follow the on-screen instructions to complete the Windows 11 Pro setup, including language, region, network, and user account creation.

5. Operating System

Your Machenike Machcreator Mini PC comes pre-installed with**Windows 11 Pro**. This operating system offers advanced features for productivity and security.

- **Navigation:** Use the Start Menu to access applications, settings, and files.
- **Updates:** Regularly check for and install Windows updates to ensure system stability and security. Go to **Settings > Windows Update**.
- **Security:** Windows 11 Pro includes built-in security features like Windows Defender. Ensure it is active and up-to-date.

The Mini PC in a typical desktop setup, illustrating its capability for various tasks.

6. Connectivity

The Mini PC offers multiple ways to connect to networks and other devices:

- **Wi-Fi 6 (802.11ax):** For high-speed wireless internet access. Connect via **Settings > Network & Internet > Wi-Fi**.
- **Bluetooth 5.3:** For connecting wireless peripherals such as keyboards, mice, and headphones. Pair devices via **Settings > Bluetooth & devices**.
- **Dual 2.5G Ethernet:** Provides two high-speed wired network connections, ideal for demanding network environments.

7. Display Configuration

The Machenike Machcreator Mini PC supports connecting up to two 4K monitors simultaneously using its HDMI 2.0 and DisplayPort 1.4 outputs.

- **Single Monitor:** Connect your monitor to either the HDMI or DisplayPort.
- **Dual Monitors:** Connect the first monitor to the HDMI port and the second to the DisplayPort. Windows will automatically detect both displays. You can configure display settings (extend, duplicate, primary display) via **Settings > System > Display**.

8. Storage and Memory Expansion

The Mini PC comes with 64GB DDR4 RAM and a 2TB PCIe M.2 SSD for high-speed performance and ample storage.

- **RAM:** The 64GB DDR4 RAM is configured for optimal multitasking.
- **SSD:** The 2TB PCIe M.2 SSD provides fast boot times and data access.
- **Additional Storage:** The system may support additional 2.5-inch SATA hard drive expansion. Refer to the physical product for specific bay availability and installation instructions if you wish to expand storage.

9. Maintenance

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

- **Cleaning:** Gently clean the exterior with a soft, dry cloth. Use compressed air to clear dust from vents periodically to maintain proper airflow and cooling. Do not use liquid cleaners directly on the device.
- **Software Updates:** Keep your Windows operating system and drivers updated. This improves security, performance, and compatibility.
- **Data Backup:** Regularly back up important data to an external drive or cloud storage to prevent data loss.
- **Environmental Conditions:** Operate the Mini PC in a well-ventilated area, away from direct sunlight, excessive heat, and moisture.

10. Troubleshooting

If you encounter issues with your Mini PC, refer to the following common troubleshooting steps:

- **No Power:**
  - Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
  - Try a different power outlet.
- **No Display:**

- Verify that the monitor is powered on and the correct input source is selected.
- Check the HDMI or DisplayPort cable connections at both ends.
- Try a different cable or monitor if available.

- **No Internet Connection (Wi-Fi):**
    - Ensure Wi-Fi is enabled in Windows settings.
    - Check if your Wi-Fi router is working correctly.
    - Restart the Mini PC and your router.

- **No Internet Connection (Ethernet):**
    - Verify the Ethernet cable is securely connected to both the Mini PC and your router/modem.
    - Check the status lights on the Ethernet port and your router.
    - Try a different Ethernet cable.

- **Slow Performance:**
    - Close unnecessary applications running in the background.
    - Check for and install any pending Windows updates.
    - Run a disk cleanup and defragmentation (for HDD, though SSDs don't need defragging).
    - Scan for malware or viruses.

11. Specifications

Detailed technical specifications for the Machenike Machcreator Mini PC, Model 3545HD4:

Feature	Specification
Processor	Intel Core i5-12450H (8 Cores, 12 Threads, up to 4.4 GHz)
Graphics	Integrated Intel UHD Graphics
RAM	64 GB DDR4 (3200 MHz)
Storage	2 TB PCIe M.2 SSD
Operating System	Windows 11 Pro
Video Output	1 x HDMI 2.0, 1 x DisplayPort 1.4 (Supports Dual 4K Displays)
USB Ports	2 x USB 3.2 Gen 2 Type-A, 2 x USB 2.0 Type-A, 1 x USB 3.2 Gen 2 Type-C (Thunderbolt 4 compatible)
Audio	1 x 3.5mm Audio Jack
Network	2 x 2.5G Ethernet Ports, Wi-Fi 6 (802.11ax), Bluetooth 5.3
Dimensions (LxWxH)	5.12 x 5 x 1.85 inches (130 x 127 x 47 mm)
Weight	Approximately 8 pounds (3.6 kg)
Power Source	AC Adapter

12. Warranty Information

Machenike products are covered by a limited manufacturer's warranty. Please refer to the warranty card included with your product or visit the official Machenike website for detailed terms and conditions regarding warranty coverage, duration, and service procedures. Keep your proof of purchase for warranty claims.

13. Customer Support

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Machenike customer support. You can typically find support contact information, FAQs, and driver downloads on the official Machenike website.

Online Support: Visit the official Machenike website.

Email Support: Refer to the website for the appropriate support email address.