

[Manuals.plus](#) /

> [Acer](#) /

> Acer Aspire 14 AI Copilot+ PC User Manual

Acer A14-52M-72S0

Acer Aspire 14 AI Copilot+ PC User Manual

Model: A14-52M-72S0 | Brand: Acer

1. INTRODUCTION

The Acer Aspire 14 AI Copilot+ PC is designed for effortless AI-assisted productivity. This versatile laptop integrates an Intel Core Ultra 7 processor with a powerful NPU, enabling advanced AI experiences across various applications. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Figure 1.1: Acer Aspire 14 AI Copilot+ PC

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- Acer Aspire 14 AI Copilot+ PC Laptop
- USB Type-C Power Adapter
- Power Cord

3. SETUP GUIDE

Follow these steps to set up your new Acer Aspire 14 AI Copilot+ PC:

1. **Unpacking:** Carefully remove the laptop and all accessories from the packaging.
2. **Connect Power:** Connect the USB Type-C power adapter to the laptop's USB-C port and then plug the power cord into an electrical outlet. The battery will begin charging.
3. **Initial Boot:** Open the laptop lid. The system may power on automatically. If not, press the power button located on the keyboard.
4. **Windows Setup:** Follow the on-screen instructions to complete the Windows 11 Home setup. This includes selecting your region, connecting to a Wi-Fi network, and creating a user account.
5. **Updates:** After setup, it is recommended to check for and install any available Windows updates to ensure optimal performance and security.

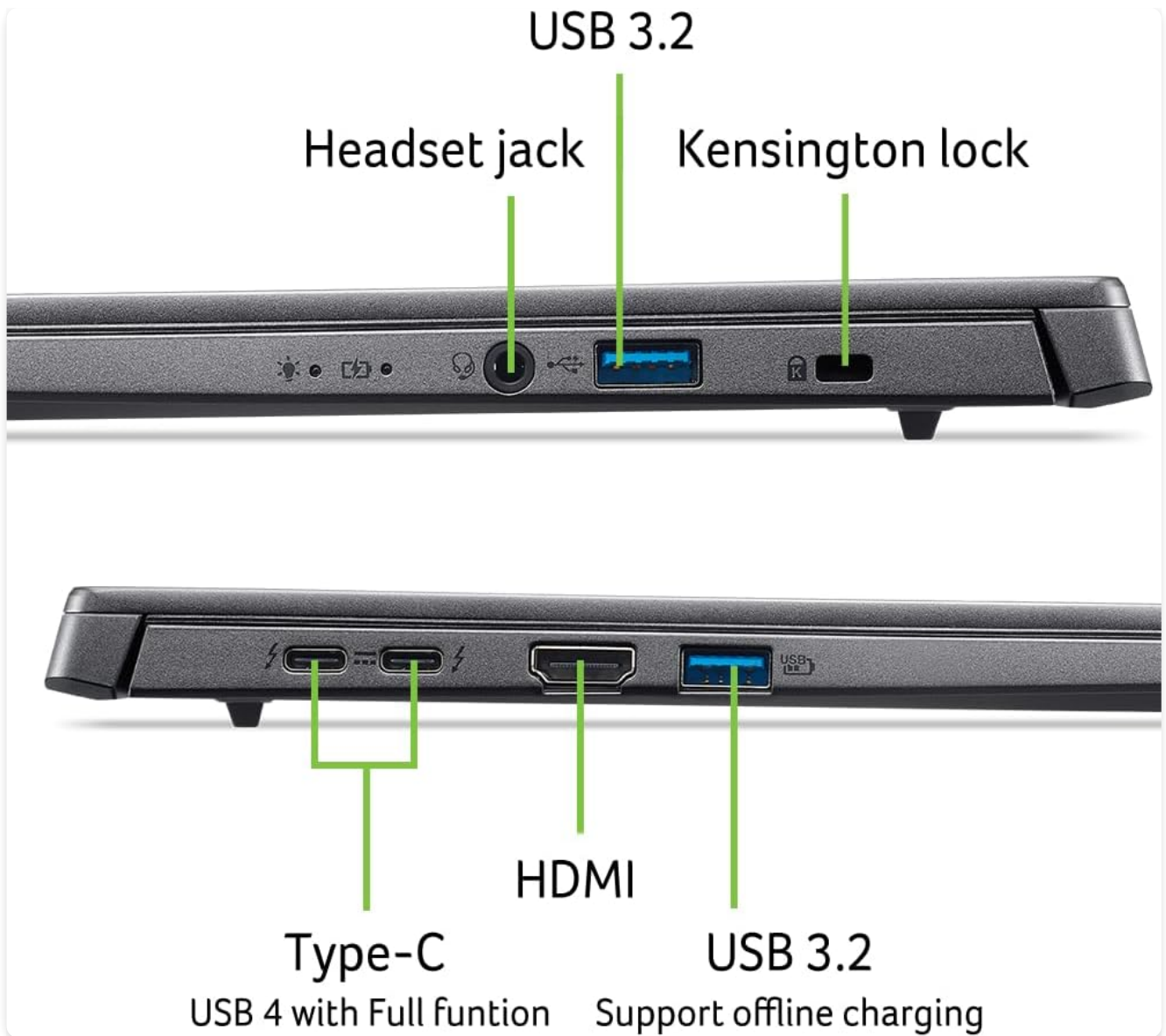


Figure 3.1: Laptop Ports Overview

4. OPERATING INSTRUCTIONS

4.1 Power Management

- **Power On/Off:** Press the power button to turn the laptop on. To turn off, go to Start > Power > Shut down in Windows.
- **Sleep Mode:** Close the lid or select Sleep from the Power menu to enter sleep mode, conserving battery while keeping your work open.
- **Battery Life:** The laptop offers up to 22 hours of battery life under specific video playback scenarios. For general use, expect up to 14.5 hours.

4.2 Display and Visuals

The Acer Aspire 14 features a 14-inch WUXGA (1920 x 1200) display with 300 nits brightness and a 16:10 aspect ratio, providing a clear and expansive visual experience.



Figure 4.1: Display Features

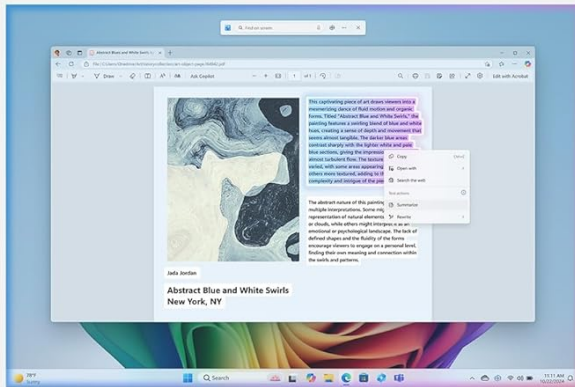
4.3 AI-Powered Features (Copilot+ PC)

Leverage the Intel Core Ultra 7 processor and dedicated NPU for enhanced AI experiences:

- **Copilot+ PC:** Access new AI capabilities like Recall (preview) for remembering past content, improved Windows search, and Click to Do (preview) for quick actions on images or text.
- **AcerSense:** Press the dedicated AcerSense key on the backlit keyboard for instant access to intelligent AI solutions. Streamline settings, optimize video presence, and enhance communication.
- **Acer PurifiedView™ 2.0 & PurifiedVoice™:** Enhance video calls with the 1080p FHD IR webcam. Fine-tune camera and microphone settings, improve lighting, blur backgrounds, and eliminate noise.
- **Acer Assist™:** A personal AI helper that works locally on your device to help find documents or specific text without sending data to the cloud.

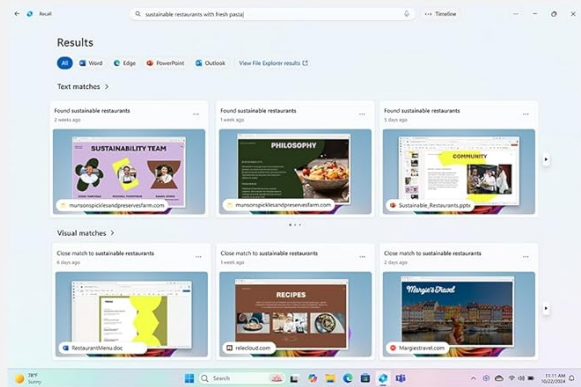
Click to Do (preview)

Offers quick actions over images or text.

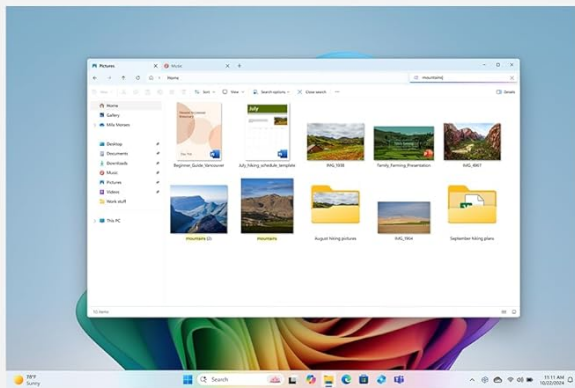


Recall (preview)

Helps you remember what you've seen.

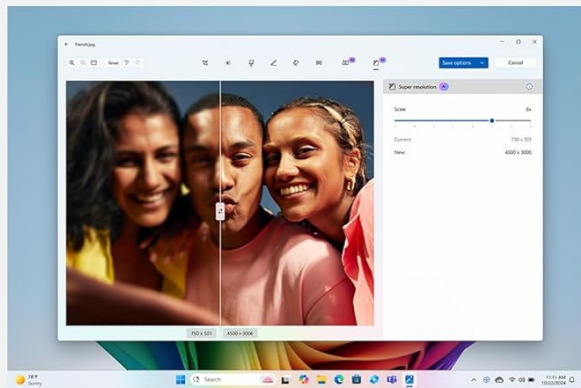


Copilot+ PC



Improved Windows search

Efficiently locate documents and images in seconds.



Super Resolution in Photos

Turn fuzzy photos into crisp, high-def memories.

Figure 4.2: Copilot+ PC AI Features



Figure 4.3: Acer AI Solutions

4.4 Connectivity

The laptop offers a variety of ports and wireless options:

- **USB Type-C:** Dual Thunderbolt 4 Type-C ports supporting USB4 (up to 40 Gbps), Thunderbolt 4, and USB Charging/Power Delivery (up to 100W).
- **USB 3.2 Gen 1:** Two USB 3.2 Gen 1 ports, one with power-off charging capability.
- **HDMI:** One HDMI 2.1 port with HDCP Support.
- **Wireless:** Wi-Fi 6E for fast wireless internet and Bluetooth 5.3 with LE audio support.



Figure 4.4: Connectivity Options

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your laptop:

- **Cleaning:** Use a soft, lint-free cloth to clean the screen and chassis. For stubborn marks, dampen the cloth slightly with water or a screen cleaner. Avoid harsh chemicals.
- **Battery Care:** To maximize battery lifespan, avoid consistently draining the battery to 0% or keeping it at 100% charge for extended periods. Store the laptop in a cool, dry place.
- **Software Updates:** Regularly check for and install operating system and driver updates to ensure security and performance improvements.
- **Storage Management:** Periodically clear temporary files, uninstall unused applications, and manage your files to free up storage space on the 1TB PCIe Gen 4 SSD.
- **Physical Protection:** The laptop features a durable aluminum chassis and a 180° lie-flat hinge. While robust, avoid dropping the device or placing heavy objects on it.



Figure 5.1: Laptop Design and Durability

6. TROUBLESHOOTING

This section addresses common issues you might encounter:

- **Laptop does not power on:**

- Ensure the power adapter is securely connected to both the laptop and a working electrical outlet.
- Verify the power outlet is functional by plugging in another device.
- If the battery is completely drained, allow it to charge for at least 30 minutes before attempting to power on.

- **Display is blank or flickering:**

- Press the Function (Fn) key along with the display toggle key (often F5 or F6) to ensure the display is not turned off.
- Restart the laptop.
- If connected to an external monitor, try disconnecting it.

- **Wi-Fi connection issues:**

- Ensure Wi-Fi is enabled in Windows settings.
- Restart your Wi-Fi router.
- Forget the network and reconnect, entering the password again.

- **Slow performance:**

- Close unnecessary applications running in the background.
- Check for and install any pending Windows updates.
- Ensure you have sufficient free space on your SSD.
- Run a virus scan.

7. SPECIFICATIONS

Detailed technical specifications for the Acer Aspire 14 AI Copilot+ PC (A14-52M-72S0):

Feature	Specification
Model Name	Acer Aspire 14 AI Copilot+ PC
Item Model Number	A14-52M-72S0
Operating System	Windows 11 Home
Processor	Intel Core Ultra 7 processor 256V (up to 4.8GHz)
NPU Performance	Up to 47 TOPS
GPU Performance	Up to 64 TOPS
Graphics Coprocessor	Intel Arc 140V Graphics (Microsoft DirectX 12.2 with Ray Tracing)
RAM	16GB Onboard LPDDR5X Memory
Hard Drive	1TB PCIe Gen 4 SSD
Screen Size	14 Inches
Screen Resolution	1920 x 1200 pixels (WUXGA)
USB Type-C Ports	2 (USB4, Thunderbolt 4, Power Delivery)
USB 3.2 Gen 1 Ports	2 (one with power-off charging)
HDMI Port	1 (HDMI 2.1 with HDCP Support)
Wireless Type	Wi-Fi 6E, Bluetooth 5.3
Webcam	1080p FHD IR webcam
Battery Life	Up to 22 hours (video playback), Up to 14.5 hours (MobileMark 2025)
Item Weight	3.09 pounds

Feature	Specification
Product Dimensions	12.56 x 0.67 x 8.86 inches
Color	Gray
Special Feature	Backlit Keyboard

8. WARRANTY AND SUPPORT

Acer provides a standard limited warranty for its products. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Acer support website.

8.1 Protection Plans

Additional protection plans may be available for purchase to extend coverage beyond the standard warranty. These can include:

- 2-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly plan covering eligible purchases)

Details regarding pricing and coverage for these plans can be found at the point of purchase or through authorized retailers.

8.2 Customer Support

For technical assistance, warranty claims, or service inquiries, please contact Acer customer support through their official website or the contact information provided in your product's documentation.