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> [Acer ConceptD 3 Ezel CC314-72G-72SX Convertible Creator Laptop User Manual](#)

## Acer CC314-72G-72SX

# Acer ConceptD 3 Ezel CC314-72G-72SX Convertible Creator Laptop User Manual

Model: CC314-72G-72SX | Brand: Acer

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## 1. INTRODUCTION

The Acer ConceptD 3 Ezel CC314-72G-72SX is a versatile convertible creator laptop designed for professionals and enthusiasts. It features a 10th Generation Intel Core i7-10750H processor, NVIDIA GeForce GTX 1650 Max-Q graphics, 14-inch Full HD Pantone Validated display with Gorilla Glass, 16GB DDR4 memory, and a 512GB NVMe SSD. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.

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### Video 1: ConceptD Ezel Series Overview

This video provides a general overview of the Acer ConceptD Ezel series, highlighting its design and capabilities for creative professionals.

## 2. SETUP

### 2.1 Initial Power-On

To power on your laptop for the first time, connect the AC adapter to the laptop's power port and then to a power outlet. Press the power button located on the side of the device. Follow the on-screen instructions to complete the initial Windows 10 Home setup.

### 2.2 Wacom AES 1.0 Pen

The included Wacom AES 1.0 Pen is rechargeable and fast-chargeable. It offers a pen-on-paper feel and precision for digital sketching, animation, and 3D modeling. Ensure the pen is charged before use. The pen

supports pressure sensitivity and palm rejection for a natural creative experience.

## 2.3 Secure Login with Fingerprint Reader

The laptop features a fingerprint reader integrated into the power button for password-free Windows Hello login. During initial setup or via Windows settings, configure your fingerprint for quick and secure access.



**Image 1: Secure Login with Fingerprint Reader**

The image shows the laptop's power button with an integrated fingerprint reader, allowing for quick and secure access to the device.

## 3. OPERATING MODES (EZEL HINGE)

The Acer ConceptD 3 Ezel features an innovative Ezel™ Hinge, providing six convertible modes to adapt to your workflow. This allows for flexible creation, collaboration, and sharing.

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**Video 2: ConceptD Ezel Hinge - Freedom in Creation**

This video demonstrates the versatility of the Ezel hinge, showcasing various modes for creative work.

### Available Modes:

- **Laptop Mode:** Traditional laptop use for typing and general tasks.
- **Float Mode:** The screen floats above the keyboard, ideal for drawing or presenting.
- **Share Mode:** Screen faces outwards for easy collaboration and sharing content.
- **Display Mode:** Screen is angled for viewing content, perfect for media consumption.
- **Pad Mode:** Converts into a tablet for drawing, note-taking, or browsing.
- **Stand Mode:** Positions the screen for stable viewing without keyboard interference.

### Color Accuracy Guaranteed

Make every detail count. Featuring sRGB 100% color gamut, color accuracy of Delta E <2, and an up to 14.0" FHD IPS PANTONE® Validated display with an anti-glare Corning® Gorilla® Glass 5 finish, creative precision is enhanced when you're working on a device with unparalleled color fidelity.





### Image 2: Flexibility in Creation

This image illustrates the six different convertible modes of the Acer ConceptD 3 Ezel, highlighting its adaptability for various creative and productivity tasks.

## 4. DIGITAL CREATION & PRODUCTIVITY

### 4.1 Accelerated Performance for Creative Tasks

The ConceptD 3 Ezel is engineered to handle demanding creative applications. Its 10th Gen Intel Core i7-10750H processor and NVIDIA GeForce GTX 1650 with 4GB GDDR6 VRAM provide responsive performance for 2D/3D designs, video editing, and graphic-intensive tasks. The 16GB DDR4 RAM and 512GB M.2 PCIe SSD ensure quick loading times and smooth multitasking.



Image 3: Accelerate Your Creations

This image showcases the core components of the laptop, including the Intel Core i7 processor, NVIDIA GeForce GTX 1650, 16GB RAM, and 512GB SSD, emphasizing its power for creative work.

### 4.2 Pantone Validated Display

Experience true-to-life color accuracy with the 14.0-inch Full HD (1920 x 1080) widescreen LED-backlit IPS Corning Gorilla Glass 5 anti-glare display. It is PANTONE Validated with a Delta E <2 and 100% sRGB color gamut, ensuring precise color representation for your projects.

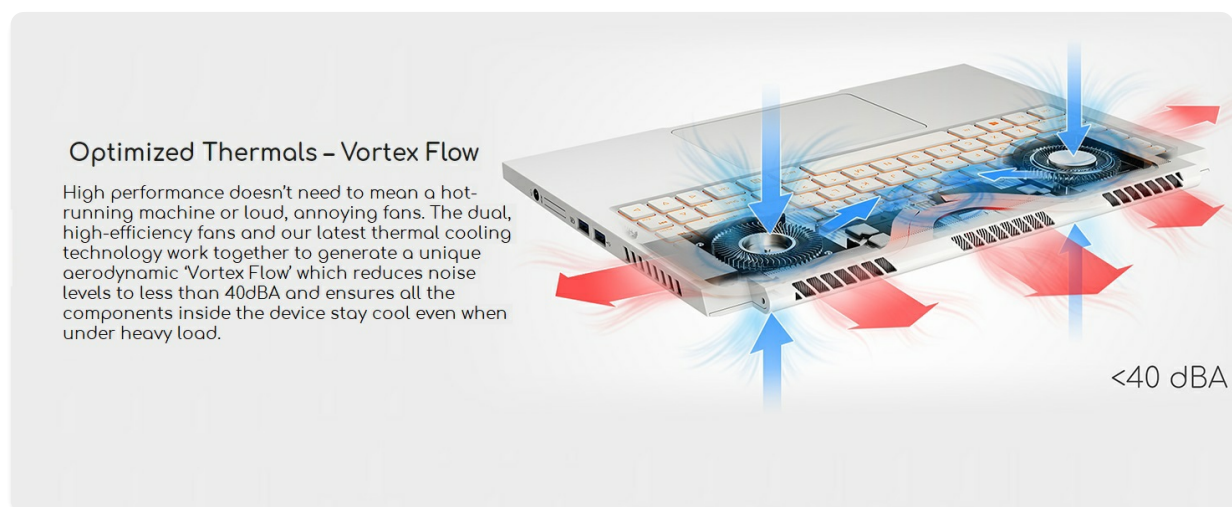


Image 4: Color Accuracy Guaranteed

The image highlights the display's color accuracy features, including PANTONE Validation, Delta E <2, and Corning Gorilla Glass, crucial for creative tasks.

## 4.3 Keyboard and Trackpad

The laptop features an amber-colored backlit keyboard with media-focused hotkeys and three additional creation-focused hotkeys for quick access to tools like snipping, application swapping, and sampling colors. The scissor-switch keyboard design provides a responsive and comfortable typing experience. The enlarged Corning Gorilla Glass trackpad supports multi-touch gestures for improved navigation.



**Image 5: Reliable, Amber-lit Keystrokes**

A close-up view of the amber-lit keyboard, emphasizing its media-focused hotkeys and comfortable design for extended use.

## 4.4 Connectivity Ports

The ConceptD 3 Ezel is equipped with a comprehensive selection of ports for all your peripheral needs. This includes 1 Thunderbolt 3 (Full USB 3.2 Gen 2 Type C) Port, 2 USB 3.2 Gen 1 Ports (one with Power-off Charging), 1 HDMI 2.0 Port with HDCP Support, 1 Mini Display Port, and an SD Card Reader. These ports facilitate high-speed data transfer and connectivity to multiple displays and external devices.



**Image 6: Packed with Ports**

This image displays the various connectivity ports available on the laptop, including Thunderbolt 3, USB, HDMI, and Mini DisplayPort, for extensive peripheral support.

## 5. OPTIMIZED PERFORMANCE

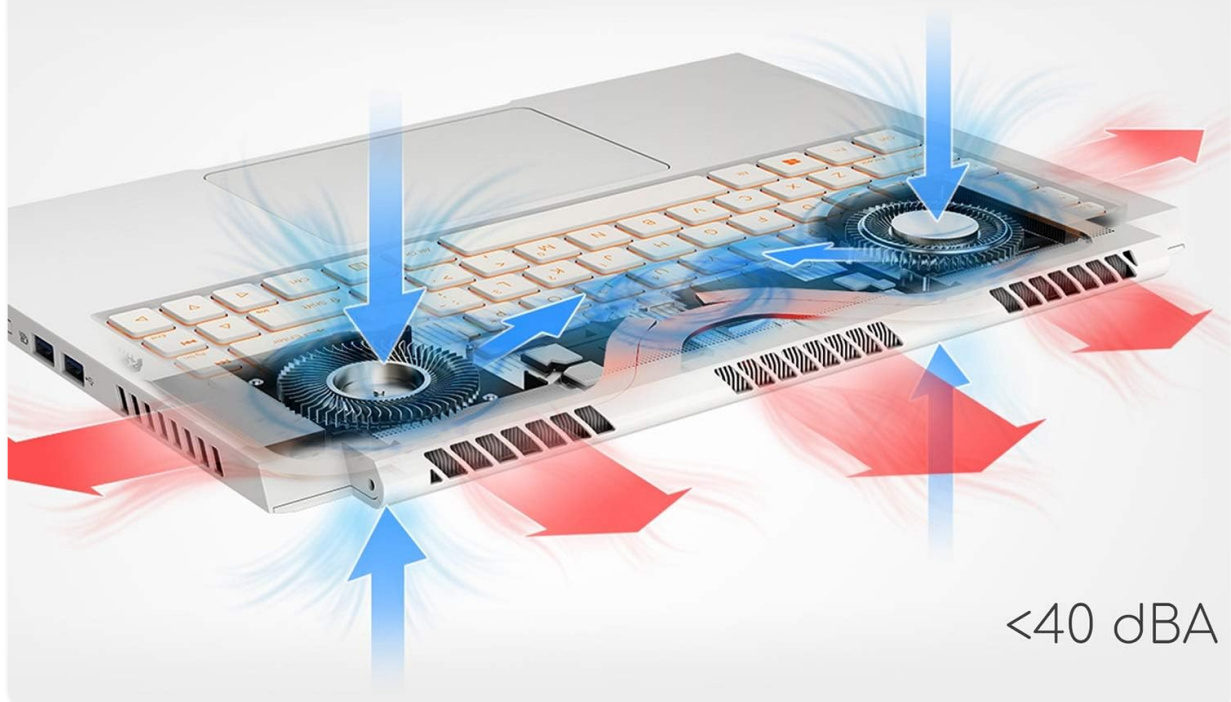
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### 5.1 Advanced Cooling System

The laptop features a custom-engineered two-fan cooling system with 3 heat pipes and Vortex Flow technology. This design ensures efficient heat dissipation, keeping noise levels below 40dBA and maintaining optimal performance even under heavy workloads.

## Optimized Thermals – Vortex Flow

High performance doesn't need to mean a hot-running machine or loud, annoying fans. The dual, high-efficiency fans and our latest thermal cooling technology work together to generate a unique aerodynamic 'Vortex Flow' which reduces noise levels to less than 40dBA and ensures all the components inside the device stay cool even when under heavy load.



**Image 7: Optimized Thermals - Vortex Flow**

A diagram illustrating the laptop's advanced two-fan cooling system with Vortex Flow technology, designed for efficient and quiet thermal management.

### 5.2 Long-Lasting Battery & Wi-Fi 6

Enjoy extended productivity with up to 14.5 hours of battery life (based on MobileMark 2014 test results). The Intel Wireless Wi-Fi 6 AX201 (802.11ax) provides fast and reliable dual-band 2.4GHz and 5GHz connectivity with 2x2 MU-MIMO technology, ensuring seamless online work and collaboration.

## Color Accuracy Guaranteed

Make every detail count. Featuring sRGB 100% color gamut, color accuracy of Delta E <2, and an up to 14.0" FHD IPS PANTONE® Validated display with an anti-glare Corning® Gorilla® Glass 5 finish, creative precision is enhanced when you're working on a device with unparalleled color fidelity.



### PANTONE® Validated

Get a professional edge with a display that features integrated color correction and has demonstrated superior fidelity in reproducing the PANTONE® Matching System (PMS) Colors.



### Delta E <2

The display has been tested and calibrated to achieve a low Delta E average of <2 to reproduce true-to-life color accuracy.



### Corning® Gorilla® Glass

The Corning® Gorilla® Glass 5 finish helps reduce glare and reflections while enhancing contrast so you can view your screen clearly and comfortably in any setting.

### Image 8: Adaptable Creativity

This image shows a user enjoying the laptop's features, emphasizing its long battery life, Wi-Fi 6 connectivity, and enhanced trackpad for adaptable creativity.

## 6. SPECIFICATIONS

Feature	Detail
Brand	Acer
Model Name	ConceptD 3 Ezel
Model Number	CC314-72G-72SX
Screen Size	14 Inches
Display Resolution	1920x1080 Pixels (Full HD)
Display Type	LED-backlit IPS Corning Gorilla Glass 5, PANTONE Validated, 100% sRGB
Processor	10th Generation Intel Core i7-10750H (6-Core, up to 5.0 GHz)

Feature	Detail
Graphics Coprocessor	NVIDIA GeForce GTX 1650 with 4 GB GDDR6 VRAM
RAM Memory	16GB On-Board DDR4
Hard Disk Size	512GB M.2 PCIe SSD
Operating System	Windows 10 Home
Connectivity Technology	Intel Wireless Wi-Fi 6 AX201 (802.11ax), Bluetooth 5.1
Ports	1x Thunderbolt 3 (USB 3.2 Gen 2 Type C), 2x USB 3.2 Gen 1, 1x HDMI 2.0, 1x Mini Display Port, SD Card Reader
Battery Life	Up to 14.5 Hours
Item Weight	3.81 Pounds (1.73 kg)
Dimensions (L x W x Thickness)	12.86"L x 9.02"W x 0.94"Th
Special Features	Multi-touch Gesture, Fingerprint Recognition, Wacom AES 1.0 Pen
What's in the Box	Laptop, AC Adapter, Power Cord, Stylus

## 7. MAINTENANCE

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### 7.1 Cleaning Your Laptop

- **Screen:** Use a soft, lint-free cloth slightly dampened with water or a screen-specific cleaning solution. Avoid harsh chemicals.
- **Keyboard & Chassis:** Use a soft cloth to wipe surfaces. For dust in crevices, use compressed air.
- **Vents:** Regularly clean the cooling vents with compressed air to prevent dust buildup, which can affect performance and thermals.

### 7.2 Software Updates

Keep your operating system (Windows 10 Home) and drivers updated to ensure optimal performance, security, and compatibility. Check for updates regularly through Windows Update and Acer's official support website.

### 7.3 Battery Care

To prolong battery life, avoid extreme temperatures and fully discharging the battery frequently. For long-term storage, charge the battery to around 50-70% and store the device in a cool, dry place.

## 8. TROUBLESHOOTING

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## 8.1 Power Issues

- **Laptop not turning on:** Ensure the AC adapter is securely connected to both the laptop and the power outlet. Check if the power outlet is functional.
- **Battery not charging:** Verify the charger is correctly plugged in. Sometimes, a firm push is needed until a click is heard. If issues persist, the charger or battery may need inspection.

## 8.2 Performance & Fan Noise

- **Slow performance:** Close unnecessary applications. Check for background processes consuming high CPU/RAM. Ensure drivers and OS are up to date.
- **Excessive fan noise:** Clean the cooling vents to remove dust. Ensure the laptop is on a hard, flat surface to allow proper airflow. Adjust power settings to a balanced mode if high performance is not required.

## 8.3 Fingerprint Reader Issues

- **Fingerprint not recognized:** Ensure your finger is clean and dry. Try rescanning your fingerprint in Windows Hello settings. Ensure your finger covers the entire sensor area.

## 9. WARRANTY & SUPPORT

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### 9.1 Warranty Information

The Acer ConceptD 3 Ezel CC314-72G-72SX comes with a **One-year International Travelers Limited Warranty (ITW)**. Please refer to the warranty card included in your product packaging for full terms and conditions. Keep your proof of purchase for warranty claims.

### 9.2 Customer Support

For technical assistance, driver downloads, or service inquiries, please visit the official Acer support website or contact Acer customer service in your region. You can find contact details and FAQs on the Acer website.