

Lenovo 15ACH6

Lenovo IdeaPad Gaming 3 15ACH6 Laptop User Manual

Model: 15ACH6 | Brand: Lenovo

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Lenovo IdeaPad Gaming 3 15ACH6 laptop. Please read this guide thoroughly to ensure optimal performance and longevity of your device.

2. GETTING STARTED (SETUP)

2.1 Unpacking and Initial Power-On

Carefully remove your laptop and all accessories from the packaging. Connect the power adapter to the laptop and a power outlet. Press the power button to turn on the device. Follow the on-screen instructions for initial Windows 11 setup.

2.2 What's in the Box

- Lenovo IdeaPad Gaming 3 15ACH6 Laptop
- Power Adapter
- HDMI Cable

3. HARDWARE OVERVIEW AND OPERATION

3.1 Display

The laptop features a 15.6-inch Full HD (1920x1080) display with a 120Hz refresh rate, providing crisp and tear-free visuals for an enhanced viewing experience.

Experience crisp, tear-free visuals



Refresh rate



1080p FHD
Display



Image: The laptop display highlights its 120Hz refresh rate and 1080p Full HD resolution, ideal for smooth visuals.

3.2 Keyboard and Touchpad

The spacious keyboard offers 1.5mm key travel for comfortable typing and gaming. It features white backlit keys for visibility in low-light conditions. The touchpad provides precise navigation.

Spacious, high-caliber keyboard



1.5mm
key travel



White
backlit keys



Image: A detailed view of the laptop's keyboard, emphasizing its comfortable key travel and white backlighting.

3.3 Ports and Connectivity

The laptop is equipped with various ports for versatile connectivity:

- **Power Input:** For connecting the power adapter.
- **Ethernet Port:** For wired network connections.
- **HDMI 2.0:** For connecting to external displays.
- **USB Type-C:** For data transfer and peripheral connections.
- **2x USB 3.0 Ports:** For connecting USB devices.
- **3.5mm Audio Jack:** For headphones or external speakers.

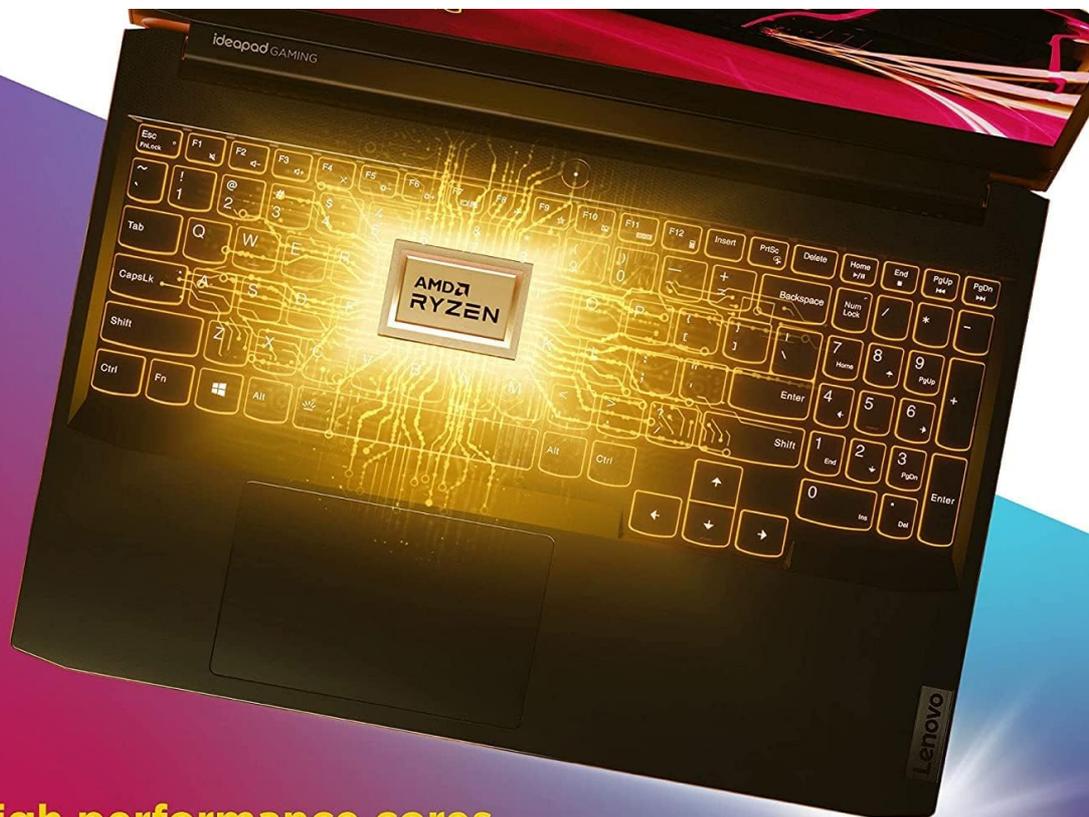


Image: The side profile of the laptop showcasing its comprehensive port selection for diverse connectivity needs.

4. PERFORMANCE FEATURES

The IdeaPad Gaming 3 is designed for performance, featuring:

- **Processor:** AMD Ryzen 5-5600H Hexa-core (6 Core) processor at 3.30 GHz.
- **Graphics:** NVIDIA GeForce RTX 3050 Ti with 4GB GDDR6.
- **RAM:** 8GB DDR4 RAM at 3200 MHz.
- **Storage:** 512GB SSD.



6 high performance cores

**AMD Ryzen™ 5 5600H
mobile processor**

**Supercharged
gaming experience**

Image: The laptop's interior, highlighting the AMD Ryzen 5 5600H mobile processor with 6 high-performance cores, contributing to a supercharged gaming experience.

4.1 Thermal System

The laptop incorporates a re-engineered high-performance thermal system to maintain optimal operating temperatures during intensive use, preventing overheating and ensuring stable performance.

Keep cool under pressure

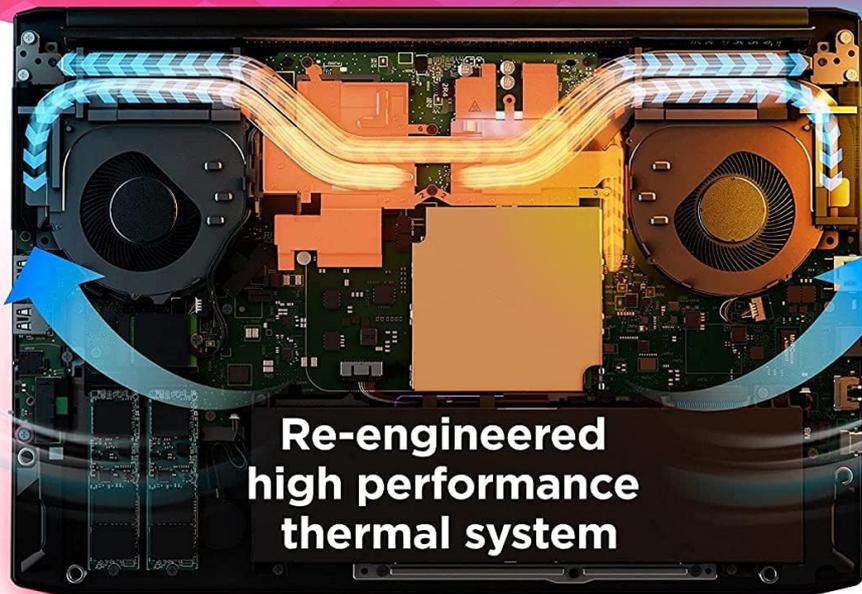


Image: An internal view illustrating the re-engineered high-performance thermal system designed to keep the laptop cool under pressure.

5. OPERATING SYSTEM

Your Lenovo IdeaPad Gaming 3 comes pre-installed with Windows 11, offering a modern and efficient user experience.

6. MAINTENANCE

6.1 Cleaning

- Use a soft, lint-free cloth to clean the screen and exterior surfaces.
- Avoid using harsh chemicals or abrasive materials.
- Regularly clean the keyboard and vents to prevent dust buildup.

6.2 Software Updates

Ensure your operating system and drivers are regularly updated to maintain performance and security. Check for updates through Windows Update and Lenovo Vantage software.

7. TROUBLESHOOTING

7.1 Common Issues

- **No Power:** Ensure the power adapter is securely connected and the outlet is functional.
- **Slow Performance:** Close unnecessary applications, check for background processes, and ensure sufficient free storage space.
- **Overheating:** Ensure vents are clear and the laptop is on a hard, flat surface. Consider adjusting power settings.
- **Display Issues:** Check cable connections for external monitors. Update graphics drivers.

For more detailed troubleshooting, refer to the Lenovo support website or contact customer service.

8. SPECIFICATIONS

Feature	Detail
Brand	Lenovo
Series	Lenovo Ideapad
Model Name	Gaming 3 15ACH6
Screen Size	15.6 Inches
Screen Resolution	1920 x 1080 pixels
Processor	AMD Ryzen 5 5600H (Hexa-core, 3.30 GHz)
RAM	8 GB DDR4 (3200 MHz)
Hard Drive	512 GB SSD
Graphics Coprocessor	NVIDIA GeForce RTX 3050 Ti (4 GB GDDR6)
Operating System	Windows 11
Color	Shadow Black
Item Weight	4.96 pounds
Average Battery Life	5 Hours
Special Feature	Backlit Keyboard

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official Lenovo support website. Protection plans may be available for extended coverage.

