ASUS V3607VM-RP057WS

ASUS Gaming V16 Laptop User Manual

Model: V3607VM-RP057WS

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your ASUS Gaming V16 laptop. Please read this manual thoroughly to ensure proper use and to maximize the performance and longevity of your device.

2. PRODUCT OVERVIEW

The ASUS Gaming V16 (Model V3607VM-RP057WS) is a high-performance gaming laptop designed for immersive gaming and demanding creative tasks. It features an Intel Core 7 240H processor, NVIDIA GeForce RTX 5060 Laptop GPU, 16GB DDR5 RAM, and a 512GB NVMe PCIe 4.0 SSD. The laptop is built to US MIL-STD 810H military-grade standards for durability.

Image 2.1: ASUS Gaming V16 Laptop. This image displays the overall design of the ASUS Gaming V16 laptop.

Key Features:

- **Processor:** Intel Core 7 Processor 240H (2.5 GHz, up to 5.2 GHz, 10 cores, 16 Threads)
- **Graphics:** NVIDIA GeForce RTX 5060 Laptop GPU, 8GB GDDR7
- **Display:** 16.0-inch, FHD+ (1920 x 1200) 16:10 aspect ratio, 144Hz refresh rate, 300nits Brightness, 45% NTSC color gamut, Anti-glare display, 89% Screen-to-body ratio
- **Memory:** 16GB DDR5 RAM
- **Storage:** 512GB M.2 NVMe PCIe 4.0 SSD
- **Operating System:** Windows 11 Home
- **Keyboard:** Backlit Chiclet Keyboard with Num-key
- **Battery:** 63WHrs, 3S1P, 3-cell Li-ion
- **Durability:** US MIL-STD 810H military-grade standard

3. SETUP GUIDE

3.1 Unboxing and Initial Inspection

Carefully remove the laptop and all accessories from the packaging. Inspect for any signs of damage. The package should include the laptop, power adapter, user guide, and warranty documents.

3.2 Connecting the Power Adapter

1. Connect the power adapter to the DC-in port on the side of the laptop.
2. Plug the power cord into a wall outlet.
3. Allow the laptop to charge for at least 30 minutes before first use.

3.3 First Boot and Windows Setup

1. Open the laptop lid and press the power button.
2. Follow the on-screen instructions to complete the Windows 11 Home setup, including language, region, network connection, and user account creation.

4. OPERATING YOUR LAPTOP

4.1 Keyboard and Touchpad

The laptop features a backlit chiclet keyboard with a numeric keypad. The touchpad supports Smart Gestures for various functions.

Futuristic Design

The laptop features a turbo blue backlit frame, transparent WASD and arrow keys, an exquisite logo, and twill-textured detailing.

Image 4.1: ASUS Gaming V16 Backlit Keyboard. This image highlights the backlit keyboard and its layout.
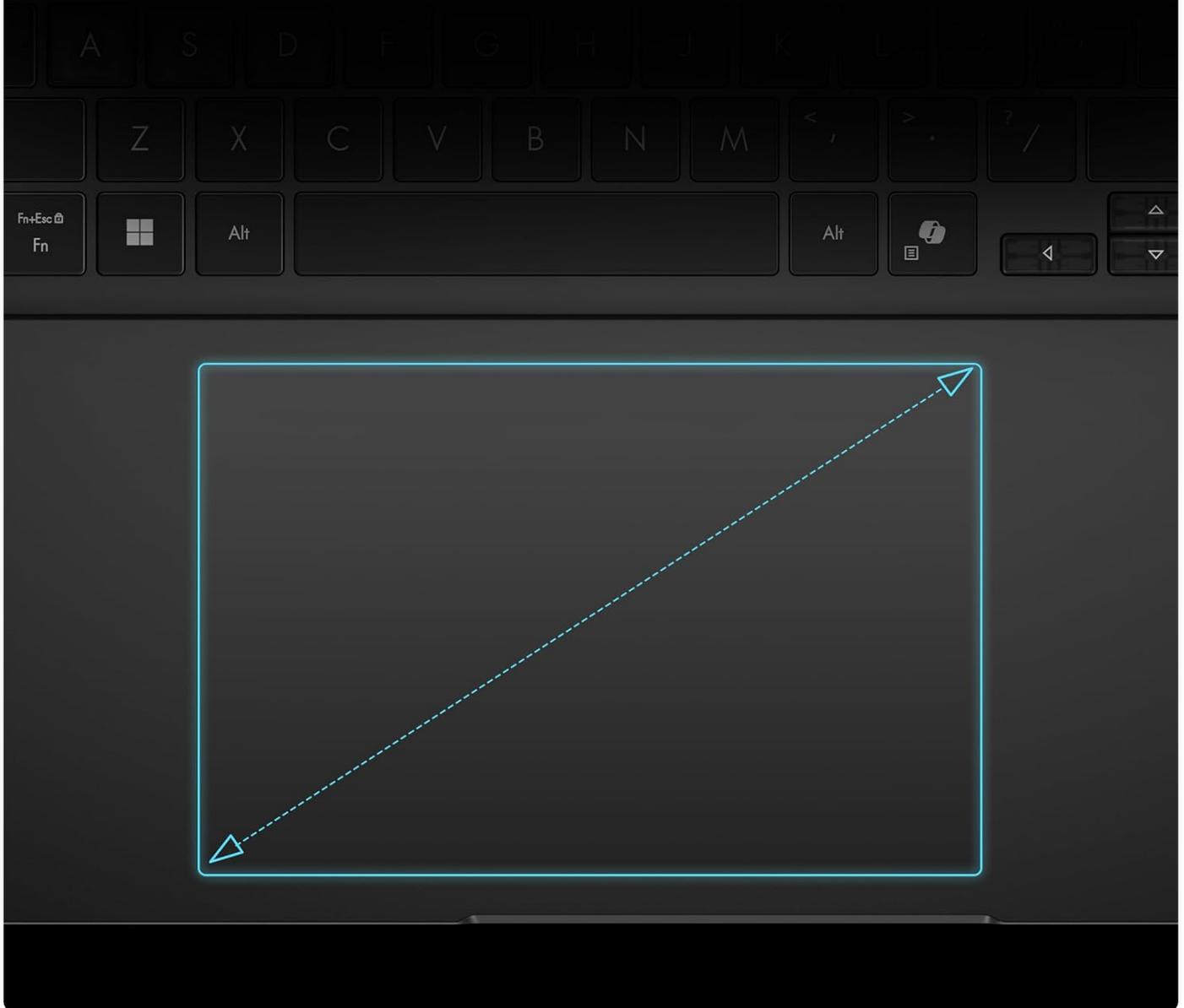
Image 4.2: ASUS Gaming V16 Enlarged Touchpad. This image shows the large touchpad for precise control.

Image 4.3: ASUS Gaming V16 Smart Gesture Controls. This image illustrates the smart gesture functionalities for brightness, volume, and media control.

4.2 Display

The 16-inch FHD+ display offers a 144Hz refresh rate for smooth visuals. It features an anti-glare coating to reduce reflections.

Image 4.4: ASUS Gaming V16 144Hz Display. This image demonstrates the high refresh rate display during gameplay.

4.3 I/O Ports

The ASUS Gaming V16 provides a comprehensive set of ports for connectivity:

- 1x USB 3.2 Gen 1 Type-C (supports display / power delivery, up to 5Gbps data speed)
- 2x USB 3.2 Gen 1 Type-A (up to 5Gbps data speed)
- 1x HDMI 2.1 FRL
- 1x 3.5mm Combo Audio Jack
- 1x DC-in for power adapter

Image 4.5: ASUS Gaming V16 I/O Ports. This image labels the various input/output ports available on the laptop.

4.4 Webcam and Privacy

The laptop includes a 1080p FHD camera with a physical privacy shutter for enhanced security. It also supports Windows Hello Infrared (IR) camera for secure login.
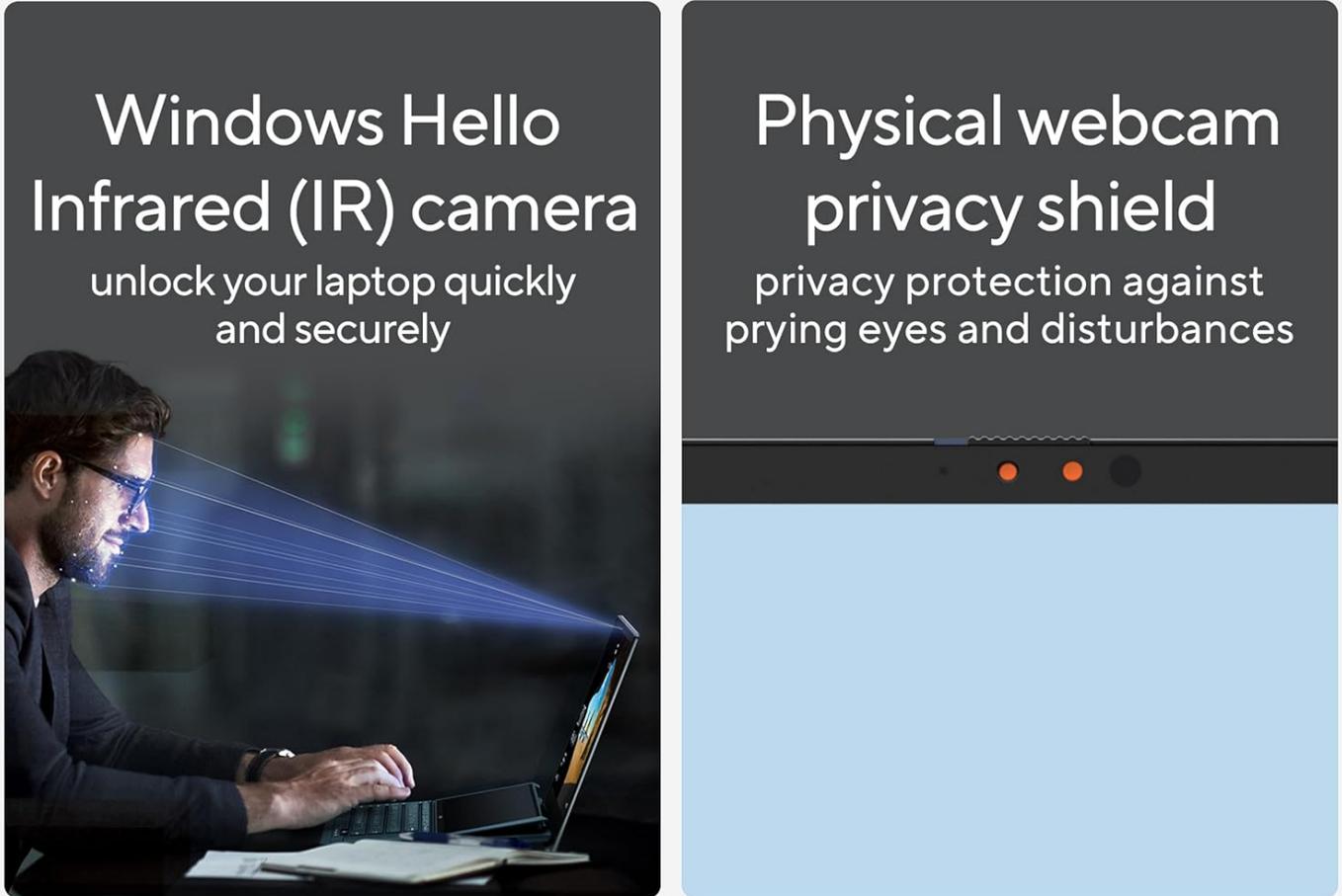
Protect your privacy

Windows Hello Infrared (IR) camera
unlock your laptop quickly and securely

Physical webcam privacy shield
privacy protection against prying eyes and disturbances

Image 4.6: ASUS Gaming V16 Webcam Privacy Features. This image illustrates the Windows Hello IR camera and the physical webcam privacy shield.

5. PERFORMANCE FEATURES

5.1 Processor and Graphics

The ASUS Gaming V16 is equipped with an Intel Core 7 240H processor and an NVIDIA GeForce RTX 5060 Laptop GPU, providing robust performance for gaming and content creation.

Game-changing power

Intel® Core™ 7
Processor

512 GB
PCIe® 4.0 SSD*
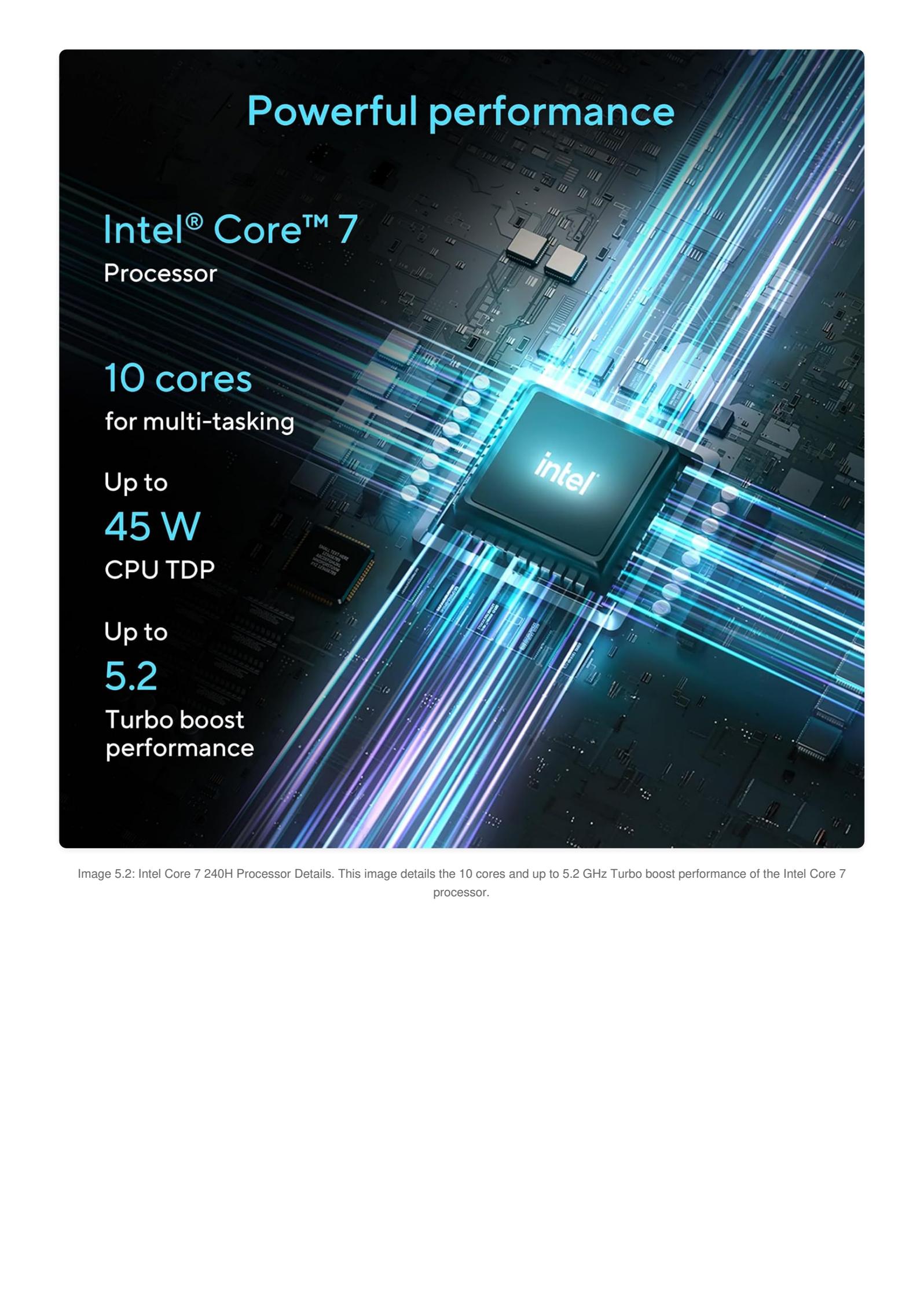
16 GB
DDR5
5600 MHz*

NVIDIA®
GeForce RTX™ 5060
Laptop GPU

* Maximum SSD capacity may vary according to device configuration.
* Maximum RAM capacity and speed test may vary according to device configuration.

Image 5.1: ASUS Gaming V16 Processor and GPU. This image highlights the Intel Core 7 processor and NVIDIA GeForce RTX 5060 GPU.

Powerful performance

Intel® Core™ 7
Processor

10 cores
for multi-tasking

Up to
45 W
CPU TDP

Up to
5.2
Turbo boost
performance

Image 5.2: Intel Core 7 240H Processor Details. This image details the 10 cores and up to 5.2 GHz Turbo boost performance of the Intel Core 7 processor.

Image 5.3: NVIDIA GeForce RTX 5060 Features. This image showcases features like DLSS 3.0, real-time ray tracing, and AI-augmented computing process optimization.

5.2 Memory and Storage

The laptop comes with 16GB of DDR5 RAM and a 512GB M.2 NVMe PCIe 4.0 SSD for fast loading times and efficient multitasking. The RAM is expandable up to 32GB.
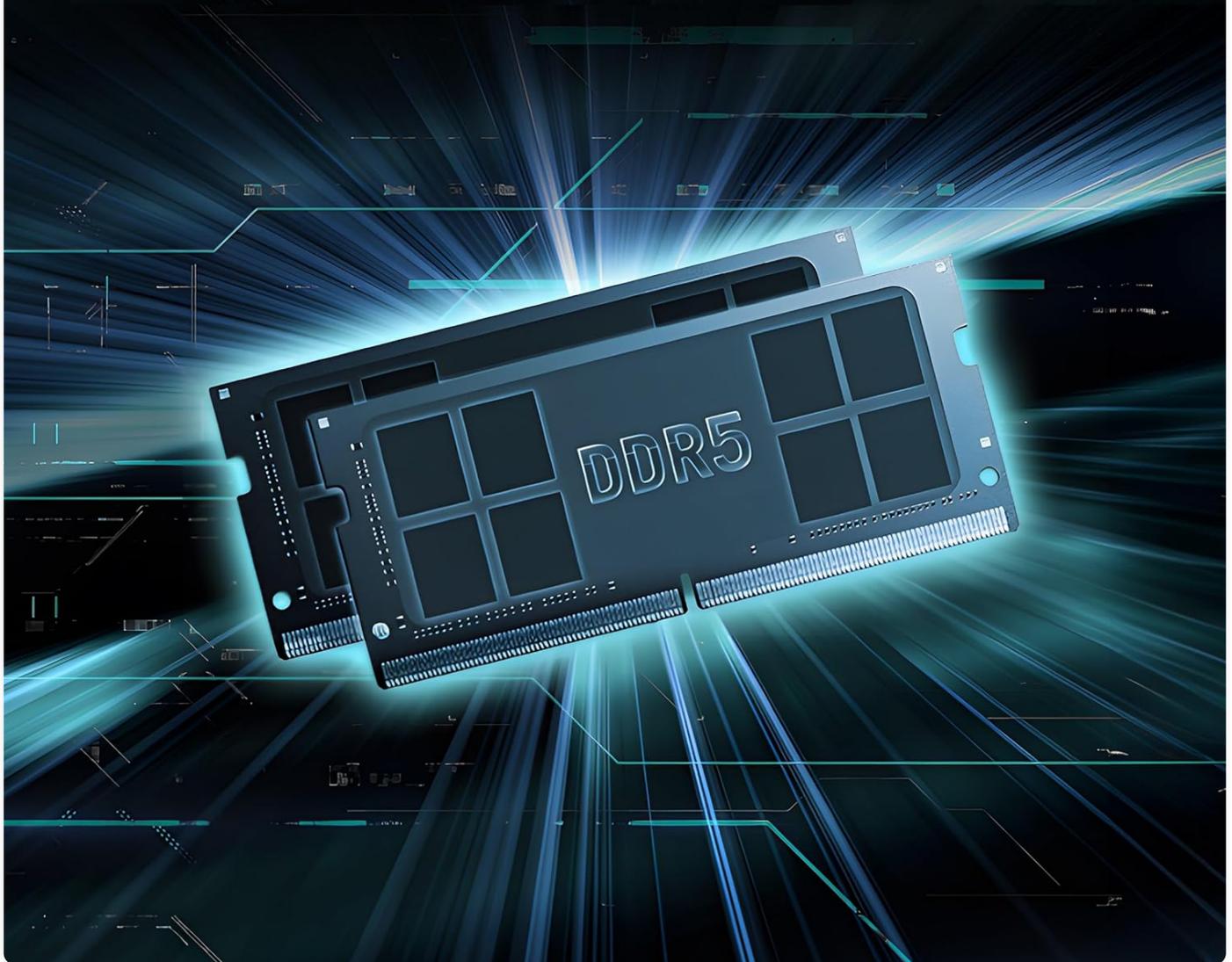
Image 5.4: ASUS Gaming V16 Memory Slots. This image shows the dual memory slots supporting up to 32GB of 5600 MHz DDR5 memory.

5.3 Cooling System

The ASUS IceCool 2 thermal technology with liquid-crystal polymer (LCP) fan and two heat pipes ensures efficient heat dissipation during intense gaming sessions.
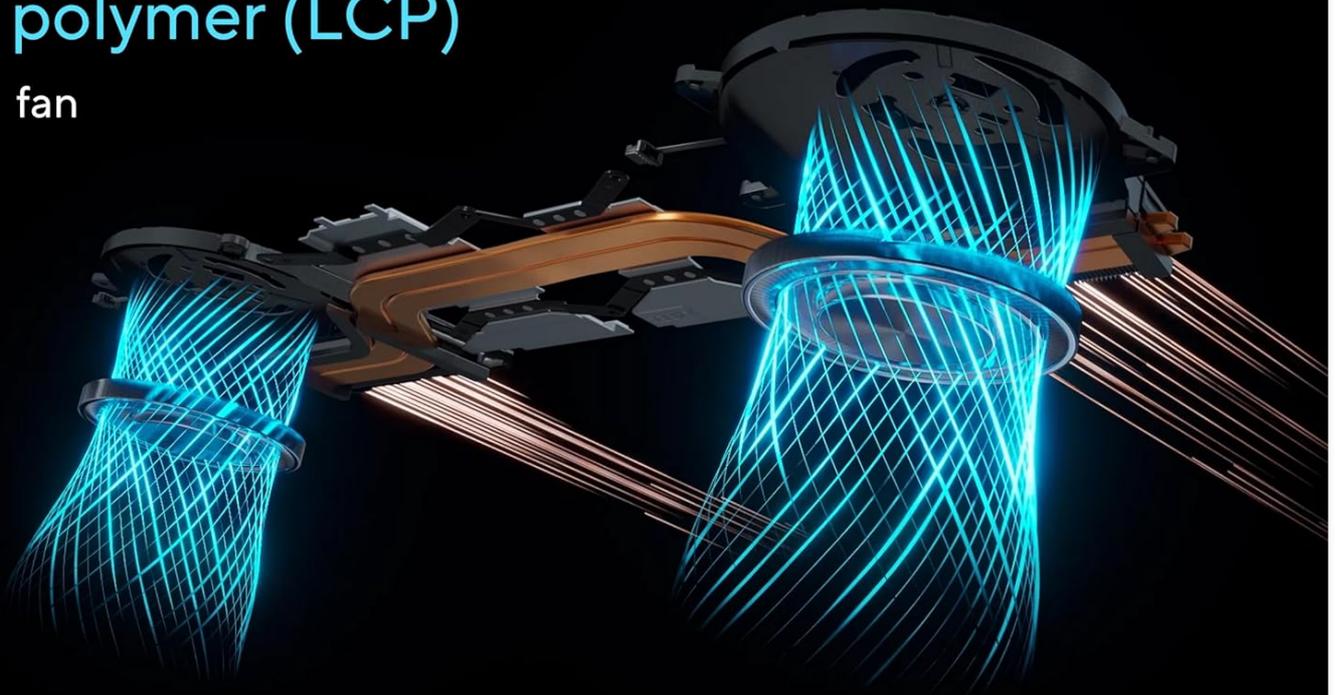
Image 5.5: ASUS Gaming V16 Cooling System. This image illustrates the internal cooling components, including fans and heat pipes.

6. SOFTWARE AND AI TOOLS

The laptop comes pre-installed with Windows 11 Home, Microsoft 365 Basic (1-year subscription), and Office Home 2024 (lifetime validity). It also features AI-powered tools for enhanced productivity and creativity.

Image 6.1: ASUS Gaming V16 Pre-installed Software. This image shows the pre-installed software including Windows 11, Microsoft 365 Basic, and Office Home 2024.

6.1 AI-Powered Tools

Leverage the dedicated Copilot Key and AI-powered tools for tasks such as document drafting, text-to-image generation, text extraction, photo retouching, and video creation.
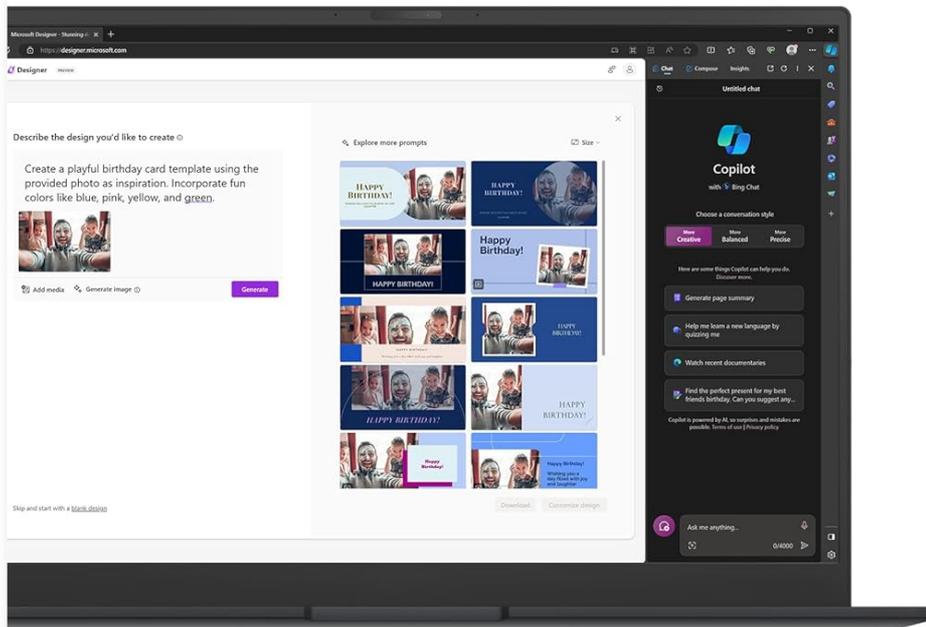
Dedicated Copilot Key for more AI exploration
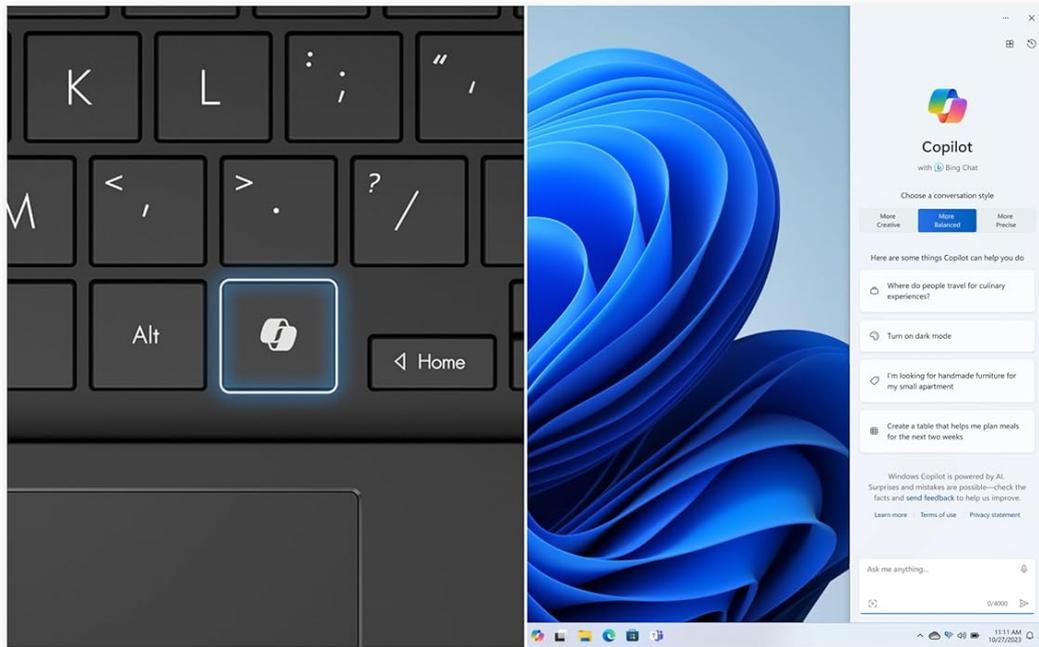
Image 6.2: ASUS Gaming V16 Copilot Key. This image shows the dedicated Copilot key on the keyboard.

AI-powered tools
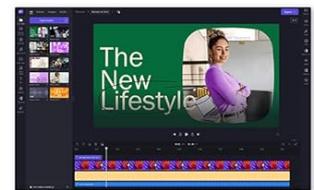
Image 6.3: ASUS Gaming V16 AI Tools. This image displays various AI-powered tools for creative and productivity tasks.

6.2 Smart Conferencing

The laptop integrates ASUS AI Camera with Windows Studio effects and AI Noise Cancellation to enhance your video conferencing experience by reducing background noise.
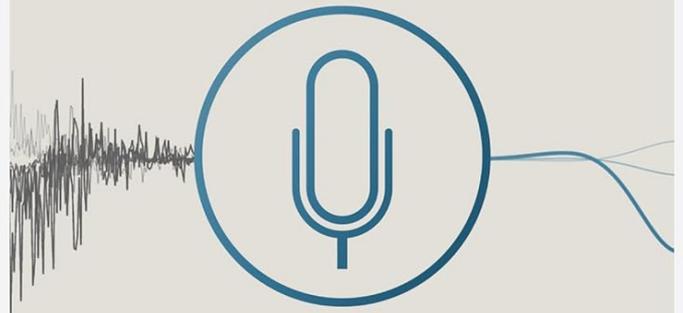
Image 6.4: ASUS Gaming V16 Smart Conferencing Features. This image highlights the ASUS AI Camera and AI Noise Cancellation for improved online meetings.

7. MAINTENANCE

7.1 Battery Care

The laptop is equipped with a 63WHrs battery. To prolong battery life:

- Avoid fully discharging the battery frequently.
- Store the laptop in a cool, dry place when not in use.
- If storing for an extended period, charge the battery to approximately 50-60%.

Image 7.1: ASUS Gaming V16 Battery Life. This image emphasizes the high-capacity 63Wh battery for extended use.

7.2 Cleaning

Use a soft, lint-free cloth to clean the screen and exterior. For stubborn smudges, dampen the cloth with a small amount of water or a screen-cleaning solution. Avoid harsh chemicals.

8. TROUBLESHOOTING

8.1 Common Issues and Solutions

- **Laptop not powering on:** Ensure the power adapter is securely connected and the battery has sufficient charge. Try a different power outlet.
- **Screen is blank:** Connect an external monitor to check if the display output is working. Restart the laptop.
- **Slow performance:** Close unnecessary applications, check for background processes, ensure drivers are updated, and verify sufficient free storage space.

- **Overheating:** Ensure ventilation vents are clear and not obstructed. Consider using a cooling pad.

9. SPECIFICATIONS

Feature	Specification
Brand	ASUS
Model Name	ASUS V16 (V3607VM-RP057WS)
Processor	Intel Core 7 Processor 240H (2.5 GHz, up to 5.2 GHz, 10 cores, 16 Threads)
Graphics	NVIDIA GeForce RTX 5060 Laptop GPU, 8GB GDDR7
RAM	16GB DDR5 (Expandable up to 32GB)
Storage	512GB M.2 NVMe PCIe 4.0 SSD
Display	16.0-inch, FHD+ (1920 x 1200) 16:10 aspect ratio, 144Hz, 300nits, Anti-glare
Operating System	Windows 11 Home
Keyboard	Backlit Chiclet Keyboard with Num-key
I/O Ports	1x USB 3.2 Gen 1 Type-C, 2x USB 3.2 Gen 1 Type-A, 1x HDMI 2.1 FRL, 1x 3.5mm Combo Audio Jack, 1x DC-in
Camera	1080p FHD camera with privacy shutter
Battery	63WHrs, 3-cell Li-ion
Weight	1.95 kg
Dimensions	48.6 x 31.2 x 6.4 cm (Package)
Special Features	Anti-glare display, US MIL-STD 810H military-grade standard

10. OFFICIAL PRODUCT VIDEOS

NVIDIA RTX 5000 Series Laptops Overview

Your browser does not support the video tag.

Video 10.1: This video provides an overview of the NVIDIA RTX 5000 series laptops, highlighting features like DLSS 4, NVIDIA Reflex 2, and Ray Tracing, which are relevant to the ASUS Gaming V16's GPU capabilities. It also touches on creator-friendly aspects.

ASUS Gaming V16 Product Overview

Your browser does not support the video tag.

Video 10.2: This video offers a detailed look at the ASUS Gaming V16 laptop, covering its design, build quality, display, keyboard, touchpad, I/O ports, internal specifications, and weight, providing a comprehensive product overview.

11. WARRANTY AND SUPPORT

Your ASUS Gaming V16 laptop comes with a manufacturer's warranty. Please refer to the included warranty documents for

detailed terms and conditions. For technical support, driver downloads, or service inquiries, visit the official ASUS support website or contact their customer service.

- **Included Components:** Laptop, Power Adaptor, User Guide, Warranty Documents

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