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> [ASUS TUF Gaming A15 \(2023\) User Manual](#)

## ASUS FA507XI-EH94

# ASUS TUF Gaming A15 (2023) User Manual

MODEL: FA507XI-EH94

## Product Overview

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The ASUS TUF Gaming A15 is a high-performance gaming laptop engineered for durability and powerful computing. It features a Windows 11 operating system, an AMD Ryzen 7000 Series CPU, and an NVIDIA GeForce RTX 40 Series Laptop GPU, making it suitable for demanding tasks and modern gaming. Key features include:

- **Powerful Performance:** Equipped with an AMD Ryzen 9 7940HS CPU and NVIDIA GeForce RTX 4070 Laptop GPU for exceptional gaming and multitasking.
- **Swift Memory and Storage:** 16GB of DDR5-4800MHz memory and 1TB PCIe 4x4 SSD for fast loading times and smooth operation.
- **Immersive Display:** 15.6" FHD 144Hz display with 100% sRGB color and Adaptive Sync technology for fluid visuals.
- **Efficient Cooling:** Features 84-blade Arc Flow Fans designed to improve cooling performance while minimizing noise.
- **Advanced Graphics Switching:** MUX Switch with Advanced Optimus automatically optimizes performance and battery life by switching between integrated and dedicated GPUs.
- **Military-Grade Toughness:** Built to withstand everyday bumps and knocks, having passed rigorous MIL-STD-810H tests.



Figure 1: The ASUS TUF Gaming A15 laptop, showcasing its sleek design and backlit keyboard.

## Setup Guide

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### 1. Unboxing and Initial Inspection

Carefully remove the laptop and its accessories from the packaging. Verify that all components are present:

- ASUS TUF Gaming A15 Laptop (Model: FA507XI-EH94)
- Power Adapter and Power Cord
- User Guide (this document)

Inspect the laptop for any physical damage. If any damage is found or components are missing, contact your retailer or ASUS support immediately.

### 2. Connecting to Power

Before first use, ensure the laptop is fully charged. Connect the power adapter to the laptop's power input port (located on the left side) and then plug the power cord into a wall outlet. The charging indicator light will illuminate.

# SAFE PORT IN A STORM

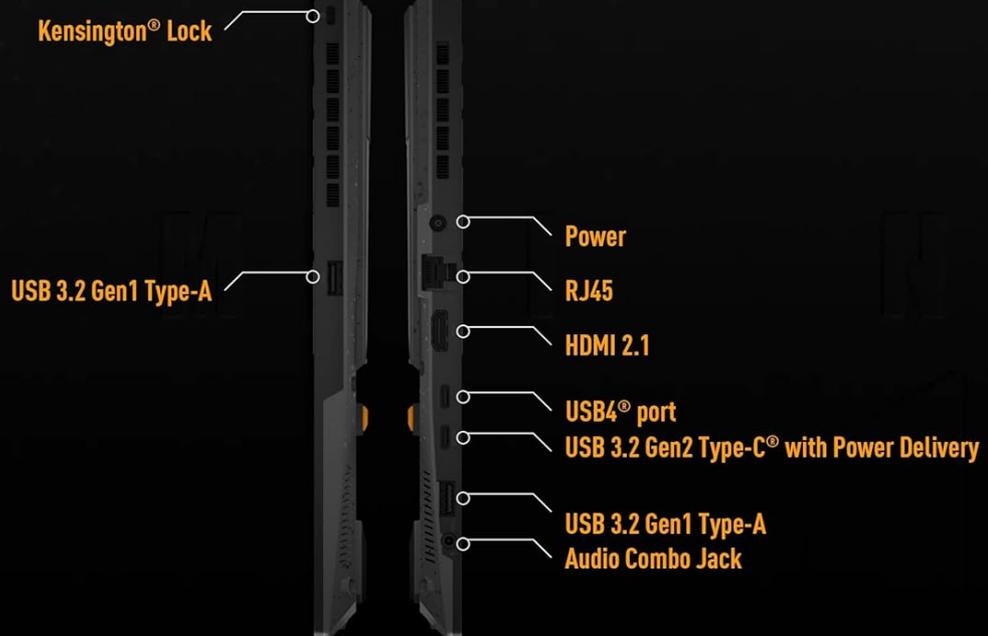


Figure 2: Overview of the laptop's ports, including the power input on the left side.

## 3. Initial Boot and Windows Setup

Once charged, open the laptop lid and press the power button (located on the top right of the keyboard). The laptop will power on and guide you through the Windows 11 setup process. Follow the on-screen instructions to configure your language, region, network, and user account.

## Operating Instructions

### Keyboard and Touchpad

The ASUS TUF Gaming A15 features a full-sized keyboard with a numeric keypad and a responsive touchpad. The keyboard includes dedicated hotkeys for quick access to functions like volume control, display brightness, and the Armoury Crate software.

# THE WORLD AT YOUR FINGERTIPS

**4 Hotkeys**

**One-zone RGB**

**Mini-LED RGB Backlight**

**1.7mm**

Keyboard

Travel Distance

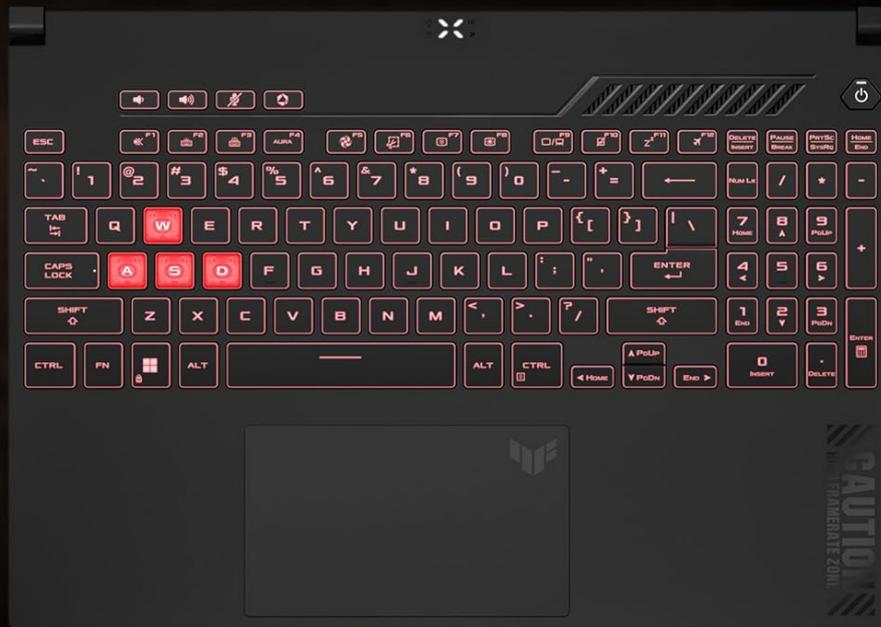


Figure 3: The laptop's keyboard layout, highlighting hotkeys and backlight.

## Display and Graphics

The 15.6-inch FHD 144Hz display provides smooth visuals. The laptop utilizes an NVIDIA GeForce RTX 4070 Laptop GPU. For optimal performance and battery life, the MUX Switch with Advanced Optimus technology automatically routes frames directly from the dedicated GPU to the display or switches to the integrated GPU based on the task.

# NEVER MISS A MOMENT

FHD 144Hz

100% sRGB

Smooth  
NVIDIA® G-SYNC  
Technology



Figure 4: The laptop's display showcasing its vibrant colors and high refresh rate capabilities.

To manually adjust display settings or graphics performance, access the NVIDIA Control Panel or the ASUS Armoury Crate software.

## Audio System

Experience high-fidelity audio with Dolby Atmos and Hi-Res Audio certification. The two-way AI Noise Cancellation technology ensures clear communication by filtering out background noise during calls or gaming sessions.

# MILITARY GRADE TOUGHNESS



Figure 5: Visual representation of the laptop's audio capabilities, including Dolby Atmos and AI Noise Cancellation.

## Cooling System

The TUF Gaming A15 is equipped with a pair of 84-blade Arc Flow Fans designed to efficiently dissipate heat, maintaining optimal performance during intense usage while keeping noise levels low.

# BLOW AWAY THE COMPETITION

<46dB  
In Turbo Mode

Dual 84-blade  
**ARC FLOW FANS™**

**ODD AMBIENT COOLING**



Figure 6: An internal view illustrating the dual Arc Flow Fans and cooling architecture.

## Maintenance

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### Cleaning Your Laptop

- **Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen cleaner. Do not spray liquid directly onto the screen.
- **Keyboard and Chassis:** Use a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used. Avoid harsh chemicals.
- **Vents:** Periodically use compressed air to clear dust from the cooling vents to ensure proper airflow.

### Battery Care

To prolong battery lifespan:

- Avoid fully discharging the battery frequently.

- If storing the laptop for an extended period, charge the battery to about 50-60% before turning it off.
- Use the provided ASUS power adapter.

## Software Updates

Regularly update your Windows operating system, graphics drivers (NVIDIA), and ASUS utilities (e.g., Armoury Crate) to ensure optimal performance, security, and compatibility. Updates can be managed through Windows Update or the respective software applications.

## Troubleshooting

This section addresses common issues you might encounter. For more detailed troubleshooting or issues not listed here, please refer to the official ASUS support website or the comprehensive user manual PDF.

### Common Issues and Solutions:

Problem	Possible Solution
Laptop does not power on.	Ensure the power adapter is securely connected and the wall outlet is functional. Try a different outlet. If on battery, ensure it is charged.
Screen is blank or black.	Check display connections if using an external monitor. Press <b>Fn + F7</b> (or the display toggle key) to switch display modes. Restart the laptop.
Poor performance in games.	Ensure the laptop is plugged into power. Verify that the NVIDIA GPU is active (check Armoury Crate or NVIDIA Control Panel). Update graphics drivers. Ensure cooling vents are clear.
Wi-Fi connection issues.	Restart your router and laptop. Check Wi-Fi drivers in Device Manager. Ensure Wi-Fi is enabled (Fn + F10 or network settings).
Keyboard or touchpad not responding.	Restart the laptop. Check for driver updates. Ensure touchpad is not disabled (Fn + F6 or touchpad toggle key).

## Specifications

Feature	Detail
Model Name	FA507XI-EH94
Processor	AMD Ryzen 9 7940HS (5.2 GHz)
Graphics Coprocessor	NVIDIA GeForce RTX 4070 (8 GB GDDR6)
RAM	16GB DDR5-4800MHz
Storage	1TB PCIe 4x4 SSD (NVMe)
Display Size	15.6 Inches
Screen Resolution	1920 x 1080 pixels (FHD)
Refresh Rate	144Hz
Operating System	Windows 11 Home

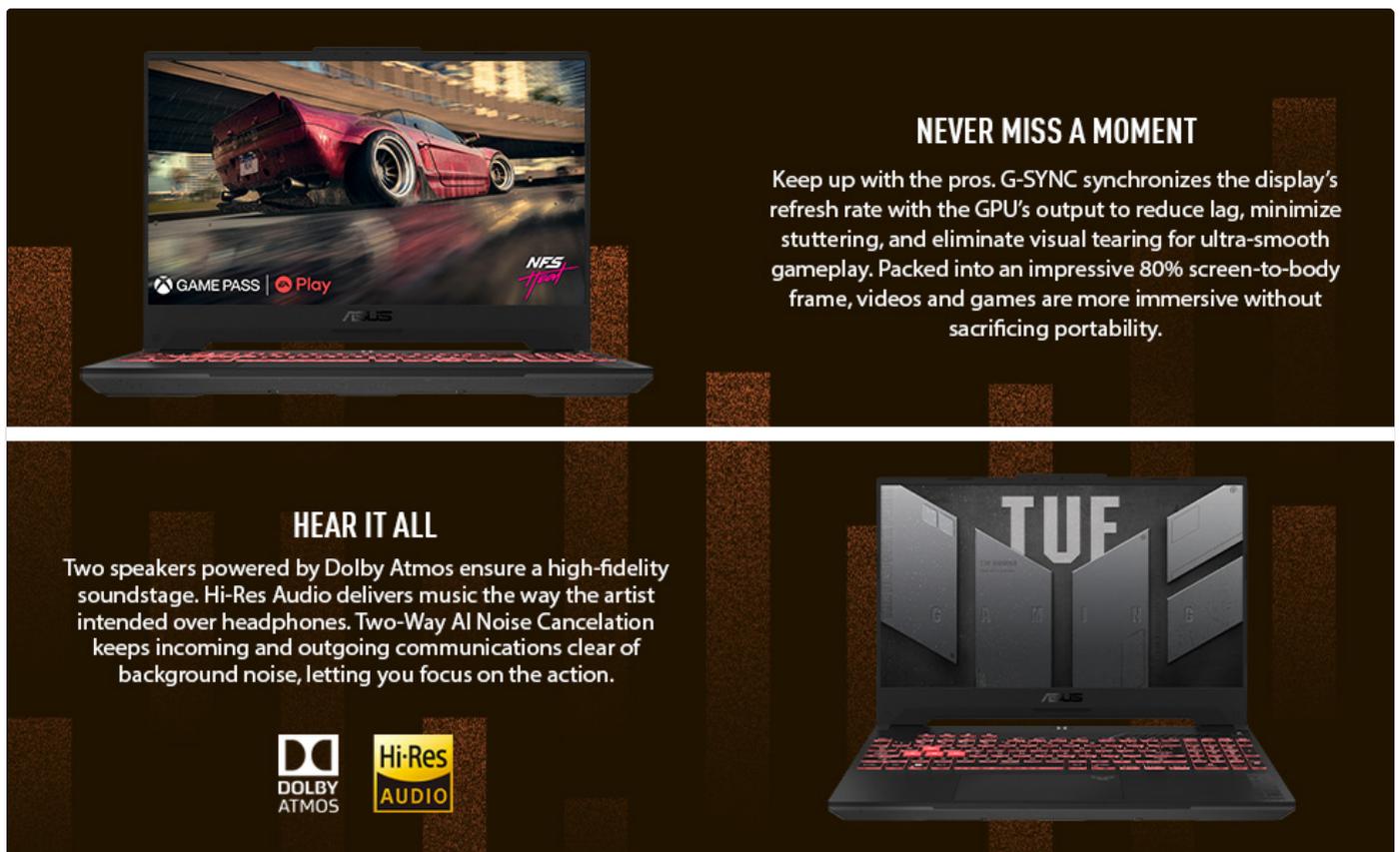
Feature	Detail
Wireless Type	802.11ax (Wi-Fi 6)
USB Ports	2x USB 3.0, USB4 port, USB 3.2 Gen2 Type-C with Power Delivery
Dimensions (LxWxH)	13.94 x 0.88 x 9.88 inches
Item Weight	8.69 pounds
Battery	1 Lithium Ion battery (included)

## Warranty and Support

### Warranty Information

Every ASUS TUF laptop includes a **12-month warranty** as standard. This warranty covers expert support, thorough diagnostics, and genuine parts if a repair is needed. Additionally, ASUS provides a **90-day warranty** on all warranty replacement parts.

ASUS also offers one year of free Accidental Damage Protection (ADP) against liquid spills, drops, and electrical surges on new laptops registered within 60 days of purchase. This program helps cover unexpected accidents.



**NEVER MISS A MOMENT**

Keep up with the pros. G-SYNC synchronizes the display's refresh rate with the GPU's output to reduce lag, minimize stuttering, and eliminate visual tearing for ultra-smooth gameplay. Packed into an impressive 80% screen-to-body frame, videos and games are more immersive without sacrificing portability.

**HEAR IT ALL**

Two speakers powered by Dolby Atmos ensure a high-fidelity soundstage. Hi-Res Audio delivers music the way the artist intended over headphones. Two-Way AI Noise Cancellation keeps incoming and outgoing communications clear of background noise, letting you focus on the action.

**DOLBY ATMOS** **Hi-Res AUDIO**

Figure 7: The ASUS TUF Gaming A15 is built with military-grade durability, designed to withstand various environmental stresses.

### Official User Manual and Support

For a comprehensive guide and further assistance, please refer to the official User Manual PDF:

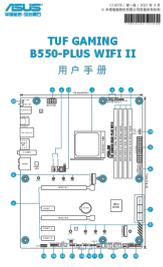
[Download User Manual \(PDF\)](#)

You can also visit the official ASUS support website for drivers, FAQs, and contact information:

[ASUS Support Website](#)

## Related Documents - FA507XI-EH94

 <p>TUF GAMING X870-PLUS WIFI</p>	<p><a href="#">ASUS TUF GAMING X870-PLUS WIFI Motherboard User Manual</a></p> <p>Detailed user manual for the ASUS TUF GAMING X870-PLUS WIFI motherboard, covering installation, setup, BIOS, specifications, and safety information. Learn about AMD Ryzen™ 9000/8000/7000 series processors, DDR5 memory, PCIe 5.0, and Wi-Fi 7 connectivity.</p>
 <p>Compatible Motherboard List for Dual GeForce RTX 4060 Ti SSD</p>	<p><a href="#">ASUS Dual GeForce RTX 4060 Ti SSD Motherboard Compatibility List</a></p> <p>This document provides a comprehensive list of compatible ASUS motherboards for the Dual GeForce RTX 4060 Ti SSD, detailing PCIe lane configuration requirements and BIOS settings for optimal performance.</p>
 <p>TUF GAMING B850-E WIFI</p>	<p><a href="#">ASUS TUF GAMING B850-E WIFI Motherboard User Manual and Guide</a></p> <p>Comprehensive user manual for the ASUS TUF GAMING B850-E WIFI motherboard, covering installation, BIOS setup, RAID configurations, specifications, and safety guidelines.</p>
 <p>ASUS PRODUCT GUIDE</p> <p>ASUS ZenBook 13 World's thinnest 13" laptop with full I/O ports</p>	<p><a href="#">ASUS Product Guide 2020: ZenBook, VivoBook, and Laptop Series   Specs &amp; Warranty</a></p> <p>Explore the ASUS Product Guide for October-December 2020, featuring the latest ZenBook, VivoBook, and Laptop series. Discover detailed specifications, features, warranty information, and store locations for ASUS's innovative range of notebooks.</p>
 <p>TUF GAMING B550M-PLUS (WI-FI)</p>	<p><a href="#">ASUS TUF GAMING B550M-PLUS (WI-FI) Motherboard User Manual and Specifications</a></p> <p>Detailed user manual for the ASUS TUF GAMING B550M-PLUS (WI-FI) motherboard, covering package contents, comprehensive specifications, installation guides for CPU, DIMM, and M.2, BIOS features, and RAID support.</p>



## [ASUS TUF GAMING B550-PLUS WIFI II Motherboard User Manual](#)

This document is the user manual for the ASUS TUF GAMING B550-PLUS WIFI II motherboard. It provides detailed information on installation, component connections, BIOS settings, features, safety guidelines, compliance, warranty, and support.