

ASUS FA607PI-AS94

ASUS TUF Gaming A16 (2024) User Manual

Model: FA607PI-AS94



The ASUS TUF Gaming A16 laptop, showcasing its sleek design and vibrant display.

1. INTRODUCTION

The ASUS TUF Gaming A16 (2024) is a high-performance gaming laptop engineered for durability and immersive experiences. It features an AMD Ryzen™ 9 7940HX processor, an NVIDIA GeForce RTX™ 4070 Laptop GPU, and a QHD+ 165Hz 16:10 display. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



An overview of the ASUS TUF Gaming A16's core components and capabilities.

2. SETUP

2.1 Unboxing and Initial Inspection

Carefully remove the laptop and its accessories from the packaging. Verify that all components listed in the 'What's in the Box' section are present and undamaged.

- FA607PI-AS94 Laptop
- Power Cord and Adapter
- User Guide (this document)

2.2 Connecting Power

Connect the power adapter to the laptop's power input port and then plug the power cord into a wall outlet. It is recommended to fully charge the battery before initial use.

2.3 First Boot and Windows Setup

Press the power button to turn on the laptop. Follow the on-screen instructions to complete the Windows 11 setup process, including language selection, network connection, and user account creation.

2.4 Driver and Software Updates

After Windows setup, connect to the internet and allow Windows Update to download and install critical updates. Additionally, use the pre-installed ASUS Armoury Crate or MyASUS software to update system drivers and firmware for optimal performance and stability.

SUBTLE STYLING

Embossed TUF Logo



The ASUS TUF Gaming A16 ready for initial setup.

3. OPERATING YOUR LAPTOP

3.1 Basic Controls

Familiarize yourself with the keyboard and large touchpad. The keyboard features a desktop-like layout with 1.7mm key travel distance for comfortable typing and gaming. Dedicated hotkeys provide quick access to volume, microphone mute, and Armoury Crate.

TAKE CHARGE

90Wh
Battery

50% in 30 min
Fast-Charging Technology



The responsive keyboard and large touchpad for precise control.

3.2 Display Settings

The laptop features a 16-inch QHD+ (2560 x 1600) 165Hz display with a 16:10 aspect ratio and NVIDIA G-SYNC support. Adjust display settings via Windows Display Settings or NVIDIA Control Panel for optimal visual experience.



84-BLADE ARC FLOW FANS

Each fan features **84 blades** that vary in thickness to help fans draw in more air and **maximize airflow**.

EXHAUST VENTS

Up to **4 dedicated exhaust vents** ensure that warm air has an easy path out of the machine.

HEAT PIPES

Up to **5 copper heatpipes** help to **efficiently wick heat away** from the CPU and GPU towards the Arc Flow Fans.

Experience immersive visuals with the high-resolution, high-refresh-rate display.

3.3 Audio Features

Enjoy rich audio with Dolby Atmos and Hi-Res audio support. The Two-Way AI Noise Cancellation technology enhances communication by filtering out background noise during calls or gaming sessions.

Your Satisfaction is Our Commitment

Every ASUS TUF laptop includes a 12-month warranty as standard, offering you expert support, thorough diagnostics, and genuine parts if a repair is needed. We also provide a 90-day warranty on all warranty replacement parts, ensuring hassle-free repairs and our commitment to your complete satisfaction.

Advanced audio features for clear sound and communication.

3.4 Connecting Peripherals

The laptop is equipped with various ports for connectivity. Refer to the side view image for port locations.

HEAR IT ALL



Two-Way
AI Noise Cancellation
Technology



Available ports on the ASUS TUF Gaming A16 for connecting external devices.

3.5 Product Video Overview

Watch the official product video for a visual guide to the ASUS TUF Gaming A16's features and capabilities.

Your browser does not support the video tag.

Official product video showcasing the ASUS TUF Gaming A16 laptop.

4. MAINTENANCE

4.1 Cleaning

- **Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen cleaner.
- **Keyboard and Chassis:** Use a soft cloth. For dust in crevices, use compressed air.
- **Vents:** Regularly check and clean the exhaust vents to ensure optimal airflow and prevent dust buildup. The laptop features an anti-dust filter.



HEAR IT ALL

Dolby Atmos and Hi-Res audio ensure **studio quality sound**. Two-Way AI Noise Cancellation allows for **crystal clear comms**.



PRODUCTIVITY POWERHOUSE

The 90Wh battery provides hours of gameplay while fast charging technology with USB-C support returns the machine to **50% battery in just 30 minutes**.



PRECISION STRIKES

A 1.7mm key travel distance allows for **effortless and responsive controls**. The white backlight makes **every key stand out** even in low light conditions.

The efficient cooling system with Arc Flow Fans and multiple heat pipes.

4.2 Software Updates

Keep your operating system, drivers, and ASUS utilities updated to ensure system stability, security, and performance. Regularly check for updates through Windows Update and Armoury Crate/MyASUS.

4.3 Battery Care

The laptop is equipped with a 90Wh battery and supports fast-charging technology, reaching 50% charge in 30 minutes. To prolong battery lifespan, avoid consistently draining it to 0% or keeping it at 100% for extended periods when plugged in. Store the laptop in a cool, dry place if not used for a long time.

**DISCOVER YOUR NEXT FAVORITE GAME.
3 MONTHS OF PC GAME PASS INCLUDED.***



XBOX GAME PASS

*Terms apply

The laptop's battery features, including capacity and fast-charging.

5. TROUBLESHOOTING

5.1 Performance Issues

- Ensure the laptop is plugged into power and set to a high-performance power plan.
- Check Armoury Crate for performance modes and fan settings.
- Close unnecessary background applications.
- Verify that drivers, especially for the GPU, are up to date.

5.2 Display Problems

- If the screen is black, try connecting to an external monitor to check if the issue is with the laptop's display or the graphics output.
- Ensure display drivers are correctly installed and updated.
- Check display resolution and refresh rate settings in Windows.

5.3 Overheating

- Ensure the laptop's vents are clear and unobstructed.
- Use the laptop on a hard, flat surface to allow proper airflow.
- Consider using a cooling pad for extended gaming sessions.
- Monitor temperatures using Armoury Crate.

5.4 Connectivity Issues (Wi-Fi/Bluetooth)

- Restart your router and modem.
- Update Wi-Fi and Bluetooth drivers.
- Run Windows Network Troubleshooter.

6. SPECIFICATIONS

Feature	Detail
Model Name	TUF Gaming A16 (FA607PI-AS94)
Operating System	Windows 11 Home
Processor	AMD Ryzen™ 9 7940HX (16 cores, 32 threads)
Graphics Coprocessor	NVIDIA GeForce RTX™ 4070 Laptop GPU (8 GB GDDR6)
RAM	16GB DDR5-5200MHz
Storage	1TB PCIe Gen4 SSD
Display	16-inch QHD+ (2560 x 1600) 165Hz, 16:10, NVIDIA G-SYNC
Wireless Connectivity	Wi-Fi 6 (802.11ax)
Ports	2x USB 3.0, Type-C PD Charging, HDMI, etc.
Battery	90Wh, Fast-Charging Technology
Dimensions (LxWxH)	13.98 x 0.87 x 9.92 inches
Weight	9.22 pounds
Color	Mecha Gray

7. WARRANTY AND SUPPORT

7.1 Standard Warranty

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



ASUS commitment to customer satisfaction and warranty details.

7.2 Accidental Damage Protection (ADP)

ASUS provides 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 ensures coverage for common accidents.



Accidental Damage Protection covers common incidents like spills and drops.

7.3 Contacting Support

For further assistance, technical support, or warranty claims, please visit the official ASUS support website or refer to the contact information provided in your product's documentation.