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ASUS TUF Gaming A16 FA607NUQ-RL038W AMD Ryzen™ 7 170 Laptop 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6 (802.11ax) Windows 11 Home Grey

Model: 90NR0QF3-M00570

Manufacturer: ASUS

EAN: 4711636492607

Product Code: 1087987

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ASUS TUF GAMING A16

EXPANSIVE IMMERSION. MECHANIZED PERFORMANCE.

DESIGN

SUBTLE STYLING

The 2024 TUF Gaming A16 retains its classic TUF styling, with a few new touches. The Mecha Grey variant sports an embossed TUF logo, while the Jaeger Gray editions have a stylish laser engraved logo. Four small triangles frame the corners of the lid, and subtle TUF references appear on the keyboard deck and trackpad.

DO IT ALL

Dive right into gaming and creating on Windows 11 with the AMD Ryzen™ 9 7845HX and up to an NVIDIA® GeForce RTX™ 4070 Laptop GPU with support for NVIDIA® Advanced Optimus. The 2024 TUF Gaming A16 also sports high-speed DDR5-5200MHz RAM and dual PCIe Gen 4x4 M.2 SSD slots, with all slots easily accessible for future upgrades and expansion.

LEVEL UP YOUR GAME

Game, stream, and do more at blazing speeds with the AMD Ryzen™ 9 7845HX processor. This high-performance CPU is engineered to deliver enthusiast-level gameplay and content creation, especially when bolstered by comprehensive cooling.

LEVEL UP YOUR GRAPHICS

The 2024 TUF Gaming A16 comes equipped with up to an NVIDIA® GeForce RTX™ 4070 Laptop GPU, giving you the freedom to crank up the graphics sliders and still enjoy ultra-high framerates. With support for NVIDIA® Advanced Optimus, the laptop can automatically activate its MUX Switch when

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a game launches, giving you the benefit of high performance when needed and power saving when you’re just browsing the web.

MORE MULTITASKING

High performance processors do their best when paired with equally capable memory, so we equipped the 2024 TUF Gaming A16 with high-speed DDR5 5200MHz memory. Fast memory helps everyday tasks feel snappier and lets your CPU flex its legs for higher FPS in-game. Both RAM slots are fully accessible, allowing for easy maintenance or upgrades down the line.

SAVE IT ALL

Today’s games seem to be getting larger and larger, but with the 2024 TUF Gaming A16 you’ll never need to worry about it. With up to 2TB of storage from the factory, the A16 has dual PCIe Gen 4x4 SSD slots, allowing for easy expansion and upgrades no matter how many games you add to your library.

ADVANCE YOUR PC EXPERIENCE WITH AMD RYZEN™ AI AND WINDOWS STUDIO EFFECTS

ASUS TUF Gaming laptops support AMD’s all new Ryzen AI™*. These dedicated hardware AI accelerators built into the silicon, combined with a suite of software, free up CPU and GPU resources to ensure optimal performance in all-new experiences. From hand gesture detection to eye gaze correction and super resolution upscaling, your video calls will feel more lifelike and seamless than ever.

*AMD Ryzen™ AI is only available on select AMD Ryzen™ 7040 Series processors: AMD Ryzen™ 9 7940HS, AMD Ryzen™ 7 7840HS, AMD Ryzen™ 5 7640HS, AMD Ryzen™ 7 7840U, AMD Ryzen™ 5 7640U.

AUTOMATIC FRAMING

Automatically pans and zooms the video to focus on you as you move.

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EYE CONTACT CORRECTION

An effect to compensate for eyes looking away from the center of the camera.

ADVANCED BACKGROUND EFFECTS

New, high quality background blurs enabled by AI.

GeForce RTX 40 Series Laptops
Beyond Fast for Gamers and Creators

AI-Powered Performance and Lifelike Graphics*

Get a quantum leap in performance in games and creative apps with AI-powered DLSS 3 and enable lifelike virtual worlds with full ray tracing.

Accelerate Your Ideas

NVIDIA Studio takes your creative projects to the next level. Unlock RTX and AI acceleration in top creative apps, NVIDIA Studio drivers for max stability, and a suite of exclusive tools to fast-track your creativity.

Optimized Power and Performance

NVIDIA Max-Q is an advanced suite of AI-powered technologies that optimize your system for peak efficiency. This enables blazing-fast laptops that are thin, quiet, and have amazing battery life.

*Cyberpunk 2077 image captured on a desktop with new Ray Tracing: Overdrive Mode ON, shown for illustrative purposes only. Actual performance varies by system.

Further With AI,
Faster on RTX
Get next-level AI performance on GeForce RTX.
Discover the RTX AI advantage. Built for the era of AI, GeForce RTX™ GPUs feature specialized AI Tensor Cores that deliver cutting-edge performance and revolutionary capabilities. Harness

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exclusive AI features and transform the way you work and play. From enhanced creativity and ultra-efficient productivity to blisteringly fast gaming, the ultimate in AI power on Windows PCs is on RTX – today and tomorrow.

DISPLAY

IMMERSIVE VISUALS

The future is clear. The 2024 TUF Gaming A16 features up to a 2.5K resolution, 165Hz/3ms display with G-SYNC for incredible gaming visuals. Whether you prefer faster paced shooters or slower adventure games, the 16:10 aspect ratio display and slim bezels with a 90% screen-to-body ratio will draw you right into the action with incredible immersion.

THERMAL

BLOW AWAY THE COMPETITION

The TUF Gaming A16 may have a high core count processor, but there's no need to worry about heat when you've got a pair of our 84-blade Arc Flow Fans™. Their variable thickness design has the dual benefit of increasing pressure while reducing turbulence, improving cooling performance without extra noise. When paired with 4 exhaust vents and 5 dedicated heatpipes, the 2024 TUF Gaming A16 keeps its cool in even the most demanding games.

PRODUCTIVITY

STAYING POWER

When you need to game or work on the go, the 2024 TUF Gaming A16 has more than enough juice to get the job done. A large 90Wh battery allows you to work away from the wall for longer, and USB Type-C charging allows you charging flexibility if you left the power supply at home.

DURABILITY

TESTED TOUGHNESS

As a TUF Gaming machine, the A16 has been rigorously tested to meet MIL-STD-810H standards for vibration and impact resistance, as well as performance at high altitudes and in high and low temperatures. You can rest assured that your TUF Gaming A16 will operate at peak performance no matter where you need to travel.

AUDIO

AMPLIFY YOUR EXPERIENCE

Enjoy your content as it was meant to be heard and be alerted when an enemy is nearby. With Dolby

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Atmos and Hi-Res audio support, your games and content sound studio quality on both speakers and a headset. For in-game voice chat or video calls, Two-Way AI Noise Cancelation filters out unwanted background sounds for crystal clear comms. New for 2024, the TUF Gaming A16 also sports a built-in HD camera, making face-to-face video calls a breeze, no accessories required.

CONTROL

CONTROL WITHIN REACH

Dedicated hotkeys for volume controls, microphone mute, and a shortcut to Armoury Crate keep critical controls within reach when in game. A large touchpad allows for effortless scrolling, and the desktop-like keyboard features a 1.7mm key travel distance for comfortable typing and responsive controls when in game.

I/O PORT

JACK IN

The TUF Gaming A16 features all of the critical I/O features you need to turn your setup into a true battlestation. A dedicated LAN port keeps you connected in the heat of battle, and an HDMI 2.1 port allows you to drive a 4K 120Hz signal to an external monitor. Dual USB Type-C ports, one of which supports Power Delivery 3.0, offers incredible flexibility. A second USB Type-C, dual Type-A ports, and an audio jack allow you connect all of your peripherals for the ultimate gaming machine.

SOFTWARE

LIGHT ‘EM UP

The 2024 TUF Gaming A16 comes with Armoury Crate support baked right in, including RGB lighting and fan controls at the touch of a button. You can even create custom scenario profiles, allowing the machine to intelligently switch between high performance and high efficiency modes as soon as it detects which programs are running.

XBOX GAME PASS ULTIMATE

Play over 100 high-quality games with friends on your PC, console, phone or tablet for one low monthly price.* With games added all the time, there's always something new to play.

*Terms and exclusions apply. Game catalog varies over time, by region, and by device. See xbox.com/gamepass and https://www.ea.com/eaplay/terms, for details. Xbox Cloud Gaming: Streaming limits apply. Requires compatible controller (sold separately), supported device and Xbox

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Game Pass app; see system requirements. System requirements vary by game; performance scales with higher-end systems.

BUNDLE

GEAR UP

The TUF Gaming family includes more than just laptops. Pair your TUF Gaming A16 with the TUF Gaming M3 Gen II mouse for precision aim, and carry them both to your next LAN party in the TUF Gaming VP4700 Backpack. No matter where you need to fight your next battle, TUF Gaming has your back.

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