ASUS TUF Gaming A15 (2023)

Overview   Tech Specs   Review   Support

Model	FA507XI	FA507XV	FA507XU	FA507NV
Operating System	Windows 11 Home No preinstalled OS Windows 11 Pro	Windows 11 Home No preinstalled OS Windows 11 Pro	Windows 11 Home No preinstalled OS Windows 11 Pro	Windows 11 Home No preinstalled OS Windows 11 Pro
Processor	AMD Ryzen™ 9 7940HS Mobile Processor (8-core/16-thread, 16MB L3 cache, up to 5.2 GHz max boost)	AMD Ryzen™ 9 7940HS Mobile Processor (8-core/16-thread, 16MB L3 cache, up to 5.2 GHz max boost)	AMD Ryzen™ 9 7940HS Mobile Processor (8-core/16-thread, 16MB L3 cache, up to 5.2 GHz max boost)	AMD Ryzen™ 7 7735HS Mobile Processor (8-core/16-thread, 16MB L3 cache, up to 4.7 GHz max boost)
Graphics	NVIDIA® GeForce RTX™ 4070 Laptop GPU, 2225MHz* at140W (2175MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost), 8GB GDDR6	NVIDIA® GeForce RTX™ 4060 Laptop GPU, 2420MHz* at 140W (2370MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost), 8GB GDDR6	NVIDIA® GeForce RTX™ 4050 Laptop GPU, 2420MHz* at 140W (2370MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost), 6GB GDDR6	NVIDIA® GeForce RTX™ 4060 Laptop GPU, 2420MHz* at 140W (2370MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost), 8GB GDDR6
Display	15.6-inch, FHD (1920 x 1080) 16:9, Value IPS-level, Anti-glare display, sRGB:100%, Adobe:75.35%, Refresh Rate:144Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus 15.6-inch, WQHD (2560 x 1440) 16:9, IPS-level, Anti-glare display, DCI-P3:100%, Refresh Rate:165Hz, Response Time:3ms, G-Sync, MUX Switch + NVIDIA® Advanced Optimus	15.6-inch, FHD (1920 x 1080) 16:9, Value IPS-level, Anti-glare display, sRGB:100%, Adobe:75.35%, Refresh Rate:144Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus 15.6-inch, WQHD (2560 x 1440) 16:9, IPS-level, Anti-glare display, DCI-P3:100%, Refresh Rate:165Hz, Response Time:3ms, G-Sync, MUX Switch + NVIDIA® Advanced Optimus	15.6-inch, FHD (1920 x 1080) 16:9, Value IPS-level, Anti-glare display, sRGB:100%, Adobe:75.35%, Refresh Rate:144Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus 15.6-inch, WQHD (2560 x 1440) 16:9, IPS-level, Anti-glare display, DCI-P3:100%, Refresh Rate:165Hz, Response Time:3ms, G-Sync, MUX Switch + NVIDIA® Advanced Optimus	15.6-inch, FHD (1920 x 1080) 16:9, Value IPS-level, Anti-glare display, sRGB:100%, Adobe:75.35%, Refresh Rate:144Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus 15.6-inch, WQHD (2560 x 1440) 16:9, IPS-level, Anti-glare display, DCI-P3:100, Refresh Rate:165Hz, Response Time:3ms, G-Sync, MUX Switch + NVIDIA® Advanced Optimus
Memory	8GB DDR5-4800 SO-DIMM x 2, Max Capacity:32GB, Support dual channel memory 16GB DDR5-4800 SO-DIMM, Max Capacity:32GB, Support dual channel memory 16GB DDR5-4800 SO-DIMM x 2, Max Capacity:32GB, Support dual channel memory 8GB DDR5-4800 SO-DIMM, Max Capacity:32GB, Support dual channel memory	8GB DDR5-4800 SO-DIMM x 2, Max Capacity:32GB, Support dual channel memory 16GB DDR5-4800 SO-DIMM, Max Capacity:32GB, Support dual channel memory	8GB DDR5-4800 SO-DIMM x 2, Max Capacity:32GB, Support dual channel memory	8GB DDR5-4800 SO-DIMM x 2, Max Capacity:32GB, Support dual channel memory 8GB DDR5-4800 SO-DIMM, Max Capacity:32GB, Support dual channel memory 16GB DDR5-4800 SO-DIMM, Max Capacity:32GB, Support dual channel memory
Storage	512GB PCIe® 4.0 NVMe™ M.2 SSD (2230) 1TB PCIe® 4.0 NVMe™ M.2 SSD (2230) 2TB PCIe® 4.0 NVMe™ M.2 SSD (2230)	512GB PCIe® 4.0 NVMe™ M.2 SSD (2230) 1TB PCIe® 4.0 NVMe™ M.2 SSD (2230) 2TB PCIe® 4.0 NVMe™ M.2 SSD (2230)	512GB PCIe® 4.0 NVMe™ M.2 SSD (2230) 1TB PCIe® 4.0 NVMe™ M.2 SSD (2230) 2TB PCIe® 4.0 NVMe™ M.2 SSD (2230)	512GB PCIe® 4.0 NVMe™ M.2 SSD (2230) 1TB PCIe® 4.0 NVMe™ M.2 SSD (2230) 2TB PCIe® 4.0 NVMe™ M.2 SSD (2230)

I/O Ports	1x 3.5mm Combo Audio Jack 1x HDMI 2.1 FRL 2x USB 3.2 Gen 1 Type-A 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC 1x RJ45 LAN port 1x Type C USB 4 support DisplayPort™ / G-SYNC	1x 3.5mm Combo Audio Jack 1x HDMI 2.1 FRL 2x USB 3.2 Gen 1 Type-A 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC 1x RJ45 LAN port 1x Type C USB 4 support DisplayPort™ / G-SYNC	1x 3.5mm Combo Audio Jack 1x HDMI 2.1 FRL 2x USB 3.2 Gen 1 Type-A 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC 1x RJ45 LAN port 1x Type C USB 4 support DisplayPort™ / G-SYNC	1x 3.5mm Combo Audio Jack 1x HDMI 2.1 FRL 2x USB 3.2 Gen 1 Type-A 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC 1x RJ45 LAN port 1x Type C USB 4 support DisplayPort™ / G-SYNC
Keyboard and Touchpad	Backlit Chiclet Keyboard 1-Zone RGB Touchpad	Backlit Chiclet Keyboard 1-Zone RGB Touchpad	Backlit Chiclet Keyboard 1-Zone RGB Touchpad	Backlit Chiclet Keyboard 1-Zone RGB Touchpad
Camera	720P HD camera	720P HD camera	720P HD camera	720P HD camera
Audio	Dolby Atmos AI noise-canceling technology Hi-Res certification Support Microsoft Cortana near field/Far field Built-in array microphone 2-speaker system	Dolby Atmos AI noise-canceling technology Hi-Res certification Support Microsoft Cortana near field/Far field Built-in array microphone 2-speaker system	Dolby Atmos AI noise-canceling technology Hi-Res certification Support Microsoft Cortana near field/Far field Built-in array microphone 2-speaker system	Dolby Atmos AI noise-canceling technology Hi-Res certification Support Microsoft Cortana near field/Far field Built-in array microphone 2-speaker system
Network and Communication	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 (*Bluetooth® version may change with OS version different.)	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 (*Bluetooth® version may change with OS version different.)	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 (*Bluetooth® version may change with OS version different.)	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 (*Bluetooth® version may change with OS version different.)
Battery	90WHrs, 4S1P, 4-cell Li-ion	90WHrs, 4S1P, 4-cell Li-ion	90WHrs, 4S1P, 4-cell Li-ion	90WHrs, 4S1P, 4-cell Li-ion
Power Supply	ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal
Weight	2.20 Kg (4.85 lbs)	2.20 Kg (4.85 lbs)	2.20 Kg (4.85 lbs)	2.20 Kg (4.85 lbs)
Dimensions (W x D x H)	35.4 x 25.1 x 2.24 ~ 2.49 cm (13.94" x 9.88" x 0.88" ~ 0.98")	35.4 x 25.1 x 2.24 ~ 2.49 cm (13.94" x 9.88" x 0.88" ~ 0.98")	35.4 x 25.1 x 2.24 ~ 2.49 cm (13.94" x 9.88" x 0.88" ~ 0.98")	35.4 x 25.1 x 2.24 ~ 2.49 cm (13.94" x 9.88" x 0.88" ~ 0.98")
Xbox Game Pass	Xbox Game Pass Ultimate_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Ultimate. Eligible markets are determined at activation. Game catalog varies by region, device, and time.) Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)	Xbox Game Pass Ultimate_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Ultimate. Eligible markets are determined at activation. Game catalog varies by region, device, and time.) Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)	Xbox Game Pass Ultimate_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Ultimate. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)	Xbox Game Pass Ultimate_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Ultimate. Eligible markets are determined at activation. Game catalog varies by region, device, and time.) Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)

Security	BIOS Administrator Password and User Password Protection Kensington Security Slot™ Trusted Platform Module (Firmware TPM)	BIOS Administrator Password and User Password Protection Kensington Security Slot™ Trusted Platform Module (Firmware TPM)	BIOS Administrator Password and User Password Protection Kensington Security Slot™ Trusted Platform Module (Firmware TPM)	BIOS Administrator Password and User Password Protection Kensington Security Slot™ Trusted Platform Module (Firmware TPM)
Included in the Box	TUF backpack P309 TUF GAMING M3 TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	TUF backpack P309 TUF GAMING M3 TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	TUF backpack P309 TUF GAMING M3 TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	TUF backpack P309 TUF GAMING M3 TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal
Microsoft Office			Office Home and Student	

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IPS stands for in-plane switching, a type of LED (a form of LCD) display panel technology.

Unless otherwise stated, all performance claims are based on theoretical performance. Actual figures may vary in real-world situations.

The actual transfer speed of USB 3.0, 3.1, 3.2, and/or Type-C will vary depending on many factors including the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment.

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Product specifications may differ from country to country. We recommend that you check with your local dealers for the specifications of the products available in your country. Colors of products may not be perfectly accurate due to variations caused by photography and monitor settings.Due to photographic variables and conditions, actual product appearance may differ from images shown on this site.Although we endeavor to present the most accurate and comprehensive information at the time of publication, we reserve the right to make changes without prior notice.

- Price may not include extra fee, including tax、shipping、handling、recycling fee.

- For pricing information, ASUS is only entitled to set a recommendation resale price. All resellers are free to set their own price as they wish.

* Result from Mobile Mark 2014 office productivity.

*The standard Asus test environment for battery life is as follows: Windows operating system, display module with 150 nits of brightness, lighting off, and other application settings.

Video Playback: Testing is done with Wi-Fi/Bluetooth off, Windows Power Plan set to Balanced, Taskbar Power Mode set to Battery Saver, system volume at 67%, and video at full screen, 1080p resolution.

Web Browsing: Testing is done with Wi-Fi/Bluetooth, Windows Power Plan set to Balanced, Taskbar Power Mode set to Better Battery, and using the Weblooper Top50 website in Google Chrome to play the video with a refresh time of 10 seconds.

*Factors that affect battery life include laptop configuration, power settings, and the way it is used. Battery capacity fades with its cycle count and age.

*Quick-charging times apply when using the proper ASUS/ROG adapter included alongside the select model and the system is powered off (via the "shut down" command). In compatible scenarios, batteries can be recharged to 50% within 30 minutes under the optimal temperature range of 20-45 degrees Celsius.-Charging times may vary +/- 10% due to system tolerance.

The testing regime includes the requirements of both military-grade standards and ASUS quality tests, and varies depending on device. MIL-STD-810 testing is conducted on selected ASUS products only. Note that the MIL-STD-810 testing helps to ensure the quality of ASUS products but does not indicate a particular fitness for military use. The test is performed under laboratory conditions. Any damage caused by attempts to replicate these test conditions would be considered accidental, and would not be covered by the standard ASUS warranty. Additional coverage is available with ASUS Premium Care.

The actual HDMI version of the products should be checked in the product specifications page respectively.

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Gaming Tower PCs	WiFi Routers	Controller			
Mini PCs	Whole Home Mesh WiFi System	Gimbal			
	Business Network Solutions				