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ASUS TUF Gaming A15 (2022)

Overview   Tech Specs   Review   Support

Operating System

Windows 11 Home

Windows 11 Pro

No preinstalled OS

Processor

AMD Ryzen™ 7 6800H Mobile Processor (8-core/16-thread, 20MB cache, up to 4.7 GHz max boost)

Graphics

NVIDIA® GeForce RTX™ 3070 Ti Laptop GPU

1250MHz* at 140W (1200MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost)

NVIDIA® GeForce RTX™ 3070 Laptop GPU

1460MHz* at 140W (1410MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost)

NVIDIA® GeForce RTX™ 3060 Laptop GPU

1752MHz* at 140W (1702MHz Boost Clock+50MHz OC,115W+25W Dynamic Boost)

NVIDIA® GeForce RTX™ 3050 Ti Laptop GPU

1745MHz* at 95W (1695MHz Boost Clock+50MHz OC, 80W+15W Dynamic Boost)

NVIDIA® GeForce RTX™ 3050 Laptop GPU

1790MHz* at 95W (1740MHz Boost Clock+50MHz OC, 80W+15W Dynamic Boost)

Display

15.6-inch, FHD (1920 x 1080) 16:9, anti-glare display, sRGB:62.5%, Adobe:47.34%, Refresh Rate:144Hz, IPS-level, Adaptive-Sync, MUX Switch + Optimus

15.6-inch, WQHD (2560 x 1440) 16:9, anti-glare display, DCI-P3:100, Refresh Rate:165Hz, IPS-level,Adaptive-Sync,MUX Switch + Optimus

15.6-inch, FHD (1920 x 1080) 16:9, anti-glare display, sRGB:100%, Adobe:75.35%, Refresh Rate:300Hz,IPS-level,Adaptive-Sync ,MUX Switch + Optimus

Memory

8GB DDR5-4800, SO-DIMM x 2 slot, Max Capacity: 32GB

16GB DDR5-4800, SO-DIMM x 2 slot, Max Capacity: 32GB

Support dual channel memory

Storage

512GB M.2 NVMe™ PCIe®3.0 SSD

1TB M.2 NVMe™ PCIe®3.0 SSD

I/O Ports

1x 3.5mm Combo Audio Jack

1x HDMI 2.0b

2x USB 3.2 Gen 1 Type-A

1x USB 3.2 Gen 1 Type-C support DisplayPort™ / G-SYNC

1x USB 3.2 Gen 1 Type-C

1x RJ45 LAN port

Keyboard and Touchpad

Backlit Chiclet Keyboard RGB

Touchpad

Camera

720P HD camera

Audio

AI noise-canceling technology

Dolby Atmos

Hi-Res certification

Built-in array microphone

2-speaker system

Network and Communication

Wi-Fi 6(802.11ax)+Bluetooth 5.2 (Dual band) 2*2;(*BT version may change with OS upgrades.)

Battery

56WHrs, 4S1P, 4-cell Li-ion

90WHrs, 4S1P, 4-cell Li-ion

Power Supply

ø6.0, 200W AC Adapter, Output: 20V DC, 10A, 200W, Input: 100-240V AC, 50/60Hz universal

ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal

Weight

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")

Security

BIOS Administrator Password and User Password Protection

Kensington Security Slot™

Included in the Box

TUF Gaming M5 V2 mouse P304(optional)

TUF backpack(optional)

Note

All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.

- Products certified by the Federal Communications Commission and Industry Canada will be distributed in the United States and Canada. Please visit the ASUS USA and ASUS Canada websites for information about locally available products.

- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.

- Specifications and features vary by model, and all images are illustrative. Please refer to specification pages for full details.

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- The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

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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* 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.

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