

ASUS TUF F15 Laptop Upgrade

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Overview



The ASUS TUF F15 15.6" gaming laptop perfectly blends functionality and style in a sleek look. Equipped with 11th Gen IntelCore i7-11800H processor and NVIDIA GeForce RTX 3060 6GB GDDR6 Graphics, this practical laptop can effortlessly handle all the advanced games with utmost precision. The 15.6" Full HD IPS display with 144Hz refresh rate produces brilliant and immersive picture quality.

Specifications

Product Information:

- 11th Gen Intel Core i7-11800Hprocessor,
- 16 GB DDR4 RAM
- NVIDIA GeForce RTX 3060 6GB GDDR6 Graphics guarantee superior and smooth performance
- 512GB SSD drive provides more space for your applications, files, media, and more
- 15.6-inch (1920 x 1080) resolution offers crystal clear quality
- Wi-Fi 6 (802.11ax), Integrated Bluetooth (BT5.2) and Thunderbolt 4 offer reliable options for networking
- Self-cleaning dual fans with anti-dust technology extend system longevity
- 4-cell battery with 90Wh capacity keeps the device running for long time
- One Thunderbolt 4 support DisplayPort, Three USB 3.2 Gen 1 Type-A ports, HDMI 2.0b display port, RJ45 LAN port, 3.5mm Combo Audio Jack offer multiple options for connecting external devices
- 720P HD webcam allows you to enjoy high-quality video calls
- RGB backlit keyboard lets you game in the low-light or dark conditions
- Preinstalled with Windows 10 Home operating system that features easy user-interface, sophisticated apps and updated security

Specifications	
Make	ASUS
Model	TUF506HM-BH71
Display	
Screen Size	15.6 in

Native Screen Resolution	1920 x 1080
Screen Refresh Rate	144 Hz
Touchscreen Display	No
Convertible/Hybrid Display	No
Other Display Features	FHD (1920 x 1080) 16:9//144Hz//250nits//NTSC: 45%//anti-glare
Processor	
Processor Type	Intel Core i7-11800H
Processor Cores	8
Processor Speed	2.3 GHz
Storage & Memory	
Solid-State Drive Capacity	512 GB NVMe M2 SSD Size 2282, Full Size SSD
RAM Size	16 GB
RAM Type	DDR4
Graphics	
Graphics Card	NVIDIA GeForce RTX 3060 Laptop GPU
Dedicated GPU Brand and Series	NVIDIA GeForce RTX 30 Series
Video Memory Configuration	Dedicated
Dedicated Video Memory Size	6 GB
VR Ready	Yes
Inputs & Outputs	
Card Reader	N/A
USB Ports	1 x Thunderbolt 4 support DisplayPort; 3 x USB 3.2 Gen 1 Type-A
Display Ports	1 x HDMI 2.0b
Other Input or Output Ports	1x RJ45 LAN port;1x 3.5mm Combo Audio Jack
Networking	
Ethernet Port	10/100/1000
Integrated Wi-Fi	Wi-Fi 6(802.11ax)
Bluetooth	5.2 (Dual band) 2*2
Power	
Battery Type	4S1P, 4-cell Li-ion
Battery - Capacity	90 Wh
ENERGY STAR Qualified	No
Software	
Pre-loaded Operating System	Windows 10 Home
Operating System Language	Bilingual
Physical Features	

Webcam	720P HD camera
Keyboard Language	Bilingual
Backlit Keyboard	Yes
Colour	Eclipse Grey
Dimensions (cm)	35.81 (W) x 2.54 (H) x 25.65 (D) cm
Dimensions (in)	14.1 (W) x 1 (H) x 10.1 (D) in
Weight (lbs)	5.09 lb

Upgrading the Memory

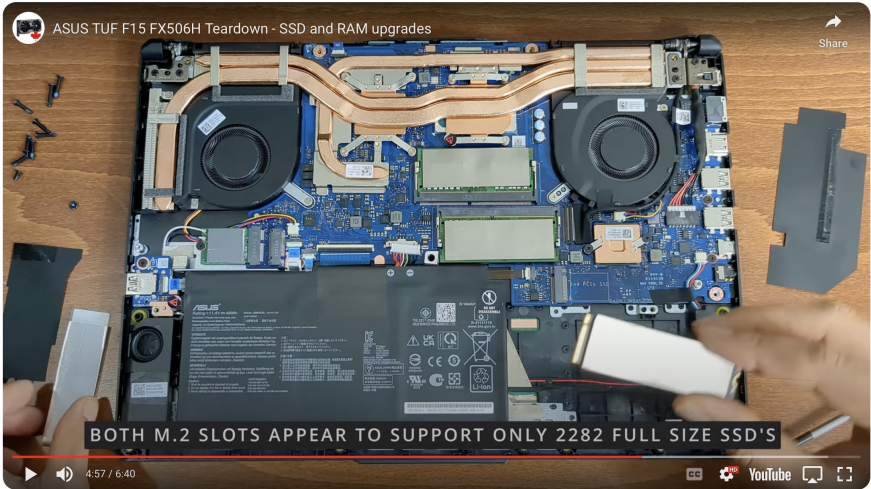
Upgrading with:

[Crucial RAM 64GB Kit \(2x32GB\) DDR4 3200MHz CL22 \(or 2933MHz or 2666MHz\) Laptop Memory CT2K32G4SFD832A](#)

Upgrading the HD

Upgrading with:

[Crucial T500 2TB Gen4 NVMe M.2 Internal Gaming SSD, Up to 7400MB/s, Laptop & Desktop Compatible + 1mo Adobe CC All Apps - CT2000T500SSD8](#)



References

Reference	URL
User Manual	E18392_FX506_FX706_EM_V3.pdf
Support Page	https://www.asus.com/supportonly/asus%20tuf%20gaming%20f15/helpdesk_manual/
Upgrade Guide	E15754_FX506_FX706_Upgrade_Guide_WEB.pdf
ASUS TUF F15 FX506H Teardown - SSD and RAM upgrades	https://www.youtube.com/watch?v=myxmFwcuLjM&t=297s
Asus TUF F15 Additional NVMe M2 SSD Upgrade	https://www.youtube.com/watch?v=op_UAnn4SOc
Asus TUF F15 FX506L Upgrade Laptop RAM	https://www.youtube.com/watch?v=BnK4RoF9CZw
Crucial - ASUS TUF Gaming F15 RAM & SSD Upgrades	https://www.crucial.com/compatible-upgrade-for/asus/tuf-gaming-f15

