

## ASUS TUF Gaming F17 (2022)

Overview Tech Specs Review Support



Model	ASUS TUF Gaming F17 (2022)	FX707ZE	FX707ZM	FX707ZR
Operating System	No preinstalled OS Windows 11 Home	No preinstalled OS Windows 11 Home	Windows 11 Home No preinstalled OS Windows 11 Pro	Windows 11 Home No preinstalled OS
Processor	12th Gen Intel® Core™ i5-12500H Processor 2.5 GHz (18M Cache, up to 4.5 GHz, 12 cores: 4 P-cores and 8 E-cores) 12th Gen Intel® Core™ i7-12700H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 14 cores: 6 P-cores and 8 E-cores)	12th Gen Intel® Core™ i7-12700H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 14 cores: 6 P-cores and 8 E-cores)	12th Gen Intel® Core™ i7-12700H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 14 cores: 6 P-cores and 8 E-cores)	12th Gen Intel® Core™ i7-12700H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 14 cores: 6 P-cores and 8 E-cores)
Graphics	NVIDIA® GeForce RTX™ 3050 Laptop GPU, 1790MHz* at 95W (1740MHz Boost Clock+50MHz OC, 80W+15W Dynamic Boost), 4GB GDDR6	NVIDIA® GeForce RTX™ 3050 Ti Laptop GPU 1745MHz* at 95W (1695MHz Boost Clock+50MHz OC, 80W+15W Dynamic Boost) 4GB GDDR6	NVIDIA® GeForce RTX™ 3060 Laptop GPU 1752MHz* at 140W (1702MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost) 6GB GDDR6	NVIDIA® GeForce RTX™ 3070 Laptop GPU 1460MHz* at 140W (1410MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost) 8GB GDDR6
Display	17.3-inch, FHD (1920 x 1080) 16:9, IPS-level, Anti-glare display, sRGB:62.50%, Adobe:47.34%, Refresh Rate:144Hz, Adaptive-Sync, MUX Switch + Optimus	17.3-inch FHD (1920 x 1080) 16:9 IPS-level Anti-glare display sRGB:62.50% Adobe:47.34% Refresh Rate:144Hz Adaptive-Sync MUX Switch + Optimus	17.3-inch FHD (1920 x 1080) 16:9 IPS-level Anti-glare display sRGB:62.50% sRGB:100% Adobe:47.34% Adobe:75.35% Refresh Rate:144Hz Refresh Rate:360Hz Adaptive-Sync MUX Switch + Optimus	17.3-inch FHD (1920 x 1080) 16:9 IPS-level Anti-glare display sRGB:62.50% sRGB:100% Adobe:47.34% Adobe:75.35% Refresh Rate:144Hz Refresh Rate:360Hz Adaptive-Sync MUX Switch + Optimus
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	8GB DDR5-4800 SO-DIMM x 2 16GB DDR5-4800 SO-DIMM 8GB DDR5-4800 SO-DIMM Max Capacity:32GB Support dual channel memory	16GB DDR5-4800 SO-DIMM 8GB DDR5-4800 SO-DIMM x 2 16GB DDR5-4800 SO-DIMM x 2 8GB DDR5-4800 SO-DIMM x 2 Max Capacity:32GB Support dual channel memory	8GB DDR5-4800 SO-DIMM x 2 16GB DDR5-4800 SO-DIMM 16GB DDR5-4800 SO-DIMM x 2 8GB DDR5-4800 SO-DIMM Max Capacity:32GB Support dual channel memory
Storage	512GB PCIe® 3.0 NVMe™ M.2 SSD 1TB PCIe® 3.0 NVMe™ M.2 SSD	1TB PCIe® 3.0 NVMe™ M.2 SSD 512GB PCIe® 3.0 NVMe™ M.2 SSD	512GB PCIe® 3.0 NVMe™ M.2 SSD 1TB PCIe® 3.0 NVMe™ M.2 SSD 512GB PCIe® 4.0 NVMe™ M.2 Performance SSD	1TB PCIe® 3.0 NVMe™ M.2 SSD 512GB PCIe® 3.0 NVMe™ M.2 SSD 512GB PCIe® 4.0 NVMe™ M.2 Performance SSD



ASUS TUF Gaming  
F17 (2022)

FX707ZE



FX707ZM



FX707ZR

2x USB 3.2 Gen 1 Type-A  
1x USB 3.2 Gen 2 Type-C  
support DisplayPort™ / G-  
SYNC  
1x RJ45 LAN port  
1x Thunderbolt™ 4 support  
DisplayPort™

2x USB 3.2 Gen 1 Type-A  
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DisplayPort™

**Keyboard and Touchpad**

Backlit Chiclet Keyboard 1-  
Zone RGB  
Touchpad

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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  
Built-in array microphone  
2-speaker system

Dolby Atmos  
AI noise-canceling  
technology  
Hi-Res certification  
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2-speaker system

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2-speaker system

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AI noise-canceling  
technology  
Hi-Res certification  
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.)

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Wi-Fi 6(802.11ax) (Dual  
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different.)

**Battery**

56WHrs, 4S1P, 4-cell Li-ion  
90WHrs, 4S1P, 4-cell Li-ion

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

90WHrs, 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, 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

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

**AURA SYNC**

Yes

Yes

Yes

Yes

**Weight**

2.60 Kg (5.73 lbs)

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2.60 Kg (5.73 lbs)

2.60 Kg (5.73 lbs)

**Dimensions (W x D x H)**

39.5 x 26.4 x 2.29 ~ 2.54 cm  
(15.55" x 10.39" x 0.90" ~  
1.00")

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**Xbox Game Pass**

Xbox Game Pass Ultimate\_1  
month (\*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\_1  
month (\*Terms and  
exclusions apply. Offer only  
available in eligible markets  
for Xbox Game Pass for PC.  
Eligible markets are  
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Game catalog varies by  
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ASUS TUF Gaming F17 (2022)



FX707ZE



FX707ZM



FX707ZR

Kensington Security Slot™  
Trusted Platform Module  
(Firmware TPM)

Kensington Security Slot™  
Trusted Platform Module  
(Firmware TPM)

Kensington Security Slot™  
Trusted Platform Module  
(Firmware TPM)

Kensington Security Slot™  
Trusted Platform Module  
(Firmware TPM)

### Included in the Box

TUF backpack  
P304 TUF GAMING M5 V2  
\*Included accessories vary according to country and territory. Please check with your local ASUS retailer for details

TUF backpack  
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### Microsoft Office

Office Home and Student

Office Home and Student  
WPS Office 2 Standard Edition (With license for 3 products)

- 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.
- PCB color and bundled software versions are subject to change without notice.
- Brand and product names mentioned are trademarks of their respective companies.
- The terms HDMI and HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos 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.

Ultrabook, Celeron, Celeron Inside, Core Inside, Intel, Intel Logo, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Inside Logo, Intel vPro, Itanium, Itanium Inside, Pentium, Pentium Inside, vPro Inside, Xeon, Xeon Phi, and Xeon Inside are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

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.

ASUS Laptops For Gaming TUF Gaming ASUS TUF Gaming F17 (2022) FX707ZC

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ASUS TUF Gaming  
F17 (2022)



FX707ZE



FX707ZM



FX707ZR

