ROG | ProArt | ASUS IoT

Gaming   Business   Environment

Mobile / Handhelds   Laptops   Displays / Desktops   Motherboards / Components   Networking / IoT / Servers   Accessories   Support

ASUS TUF Gaming F17 (2023)

Overview   Tech Specs   Review   Support

Model	FX707ZV	FX707ZU	FX707VI	FX707ZI
Operating System	No preinstalled OS Windows 11 Home Windows 11 Pro	No preinstalled OS Windows 11 Home Windows 11 Pro	Windows 11 Home Windows 11 Pro No preinstalled OS	Windows 11 Home Windows 11 Pro
Processor	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)	13th Gen Intel® Core™ i9-13900H Processor 2.6 GHz (24M Cache, up to 5.4 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™ 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™ 4070 Laptop GPU, 2225MHz* at 140W (2175MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost), 8GB GDDR6	NVIDIA® GeForce RTX™ 4070 Laptop GPU, 2225MHz* at 140W (2175MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost), 8GB GDDR6
Display	17.3-inch, FHD (1920 x 1080) 16:9, Value IPS-level, Anti-glare display, sRGB:62.50%, Adobe:47.34%, Refresh Rate:144Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus 17.3-inch, WQHD (2560 x 1440) 16:9, IPS-level, Anti-glare display, sRGB:NA, Adobe:NA, DCI-P3:100%, Refresh Rate:240Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus 17.3-inch, FHD (1920 x 1080) 16:9, Value IPS-level, Anti-glare display, sRGB:62.5%, Adobe:47.34%, Refresh Rate:144Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus	17.3-inch, FHD (1920 x 1080) 16:9, Value IPS-level, Anti-glare display, sRGB:62.50%, Adobe:47.34%, Refresh Rate:144Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus 17.3-inch, WQHD (2560 x 1440) 16:9, IPS-level, Anti-glare display, sRGB:NA, Adobe:NA, DCI-P3:100%, Refresh Rate:240Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus	17.3-inch, 2.5K (2560 x 1440, WQHD) 16:9 aspect ratio, IPS-level, Anti-glare display, sRGB:NA, Adobe:NA, DCI-P3:100%, Refresh Rate:240Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus 17.3-inch, FHD (1920 x 1080) 16:9, Value IPS-level, Anti-glare display, sRGB:62.50%, Adobe:47.34%, Refresh Rate:144Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus	17.3-inch, FHD (1920 x 1080) 16:9, IPS-level, Anti-glare display, sRGB:NA, Adobe:NA, DCI-P3:100%, Refresh Rate:165Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus 17.3-inch, WQHD (2560 x 1440) 16:9, IPS-level, Anti-glare display, DCI-P3:100%, Refresh Rate:240Hz, G-Sync, MUX Switch + NVIDIA® Advanced Optimus
Memory	16GB DDR4-3200 SO-DIMM x 2, Max Capacity:32GB, Support dual channel memory 8GB DDR4-3200 SO-DIMM x 2, Max Capacity:32GB, Support dual channel memory 8GB DDR4-3200 SO-DIMM, Max Capacity:32GB, Support dual channel memory 16GB DDR4-3200 SO-DIMM, Max Capacity:32GB, Support dual channel memory	8GB DDR4-3200 SO-DIMM x 2, Max Capacity:32GB, Support dual channel memory 16GB DDR4-3200 SO-DIMM x 2, Max Capacity:32GB, Support dual channel memory 16GB DDR4-3200 SO-DIMM, Max Capacity:32GB, Support dual channel memory 8GB DDR4-3200 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 x 2, Max Capacity:32GB, Support dual channel memory 16GB DDR5-4800 SO-DIMM, Max Capacity:32GB, Support dual channel memory	8GB DDR4-3200 SO-DIMM x 2, Max Capacity:32GB, Support dual channel memory 8GB DDR4-3200 SO-DIMM, Max Capacity:32GB, Support dual channel memory
Storage	1TB PCIe® 4.0 NVMe™ M.2 SSD 512GB PCIe® 4.0 NVMe™ M.2 SSD 2TB PCIe® 4.0 NVMe™ M.2 SSD	1TB PCIe® 4.0 NVMe™ M.2 SSD 512GB PCIe® 4.0 NVMe™ M.2 SSD 2TB PCIe® 4.0 NVMe™ M.2 SSD	1TB PCIe® 4.0 NVMe™ M.2 SSD 2TB PCIe® 4.0 NVMe™ M.2 Performance SSD 2TB PCIe® 4.0 NVMe™ M.2 SSD 512GB PCIe® 4.0 NVMe™ M.2 SSD	1TB PCIe® 4.0 NVMe™ M.2 SSD 2TB PCIe® 4.0 NVMe™ M.2 Performance SSD
I/O Ports	1x 3.5mm Combo Audio Jack 1x HDMI 2.1 FRL	1x 3.5mm Combo Audio Jack 1x HDMI 2.1 FRL	1x 3.5mm Combo Audio Jack 1x HDMI 2.1 FRL	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 Thunderbolt™ 4 support DisplayPort™	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 Thunderbolt™ 4 support DisplayPort™	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 Thunderbolt™ 4 support DisplayPort™	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 Thunderbolt™ 4 support DisplayPort™
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 (for headphone) Support Microsoft Cortana near field/far field Built-in array microphone 2-speaker system	Dolby Atmos AI noise-canceling technology Hi-Res certification (for headphone) Support Microsoft Cortana near field/far field Built-in array microphone 2-speaker system	Dolby Atmos AI noise-canceling technology Hi-Res certification (for headphone) Support Microsoft Cortana near field/far field Built-in array microphone 2-speaker system	Dolby Atmos AI noise-canceling technology Hi-Res certification (for headphone) 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 Wireless Card (*Bluetooth® version may change with OS version different.)	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 Wireless Card (*Bluetooth® version may change with OS version different.)	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 Wireless Card (*Bluetooth® version may change with OS version different.)	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 Wireless Card (*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	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
Weight	2.60 Kg (5.73 lbs) 2.60 Kg (lbs)	2.60 Kg (5.73 lbs) 2.60 Kg (lbs)	2.60 Kg (5.73 lbs) 2.60 Kg (lbs)	2.60 Kg (5.73 lbs)
Dimensions (W x D x H)	39.4 x 26.4 x 2.29 ~ 2.54 cm (15.51" x 10.39" x 0.90" ~ 1.00")	39.4 x 26.4 x 2.29 ~ 2.54 cm (15.51" x 10.39" x 0.90" ~ 1.00")	39.4 x 26.4 x 2.29 ~ 2.54 cm (15.51" x 10.39" x 0.90" ~ 1.00")	39.4 x 26.4 x 2.29 ~ 2.54 cm (15.51" x 10.39" x 0.90" ~ 1.00")
Microsoft Office	1-month trial for new Microsoft 365 customers. Credit card required.	1-month trial for new Microsoft 365 customers. Credit card required.	1-month trial for new Microsoft 365 customers. Credit card required.	1-month trial for new Microsoft 365 customers. Credit card required.
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 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.)	
Ecolabels & Compliances	ENERGY STAR® EPEAT Bronze	ENERGY STAR® EPEAT Bronze	ENERGY STAR® EPEAT Bronze	ENERGY STAR® EPEAT Bronze
Security	Kensington Security Slot™ Trusted Platform Module (Firmware TPM) McAfee® 30 days free trial Kaspersky Total Security 30 days free trial McAfee® 1 year	Kensington Security Slot™ Trusted Platform Module (Firmware TPM) McAfee® 30 days free trial McAfee® 1 year Kaspersky Total Security 30 days free trial	BIOS Administrator Password and User Password Protection Kensington Security Slot™ Trusted Platform Module (Firmware TPM) McAfee® 30 days free trial	Kensington Security Slot™ Trusted Platform Module (Firmware TPM) McAfee® 30 days free trial
Included in the Box	TUF backpack P309 TUF GAMING M3 *Included accessories vary according to country and territory. Please check with your local ASUS retailer for details	TUF backpack TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal P309 TUF GAMING M3 *Included accessories vary according to country and territory. Please check with your local ASUS retailer for details	TUF backpack TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal P309 TUF GAMING M3 *Included accessories vary according to country and territory. Please check with your local ASUS retailer for details	*Included accessories vary according to country and territory. Please check with your local ASUS retailer for details

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

- 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.

Unit with RJ45 port does not support "Power over Ethernet" (PoE), only support data transmission.

Please note that this Xbox Game Pass offer must be redeemed within 180 days of activating Windows. Systems that have not activated Windows within two years of their manufacture date will be unable to redeem this offer.

/ASUS   Laptops   For Gaming   TUF Gaming   ASUS TUF Gaming F17 (2023)

Shop and Learn		Learn More	Support	Sustainability
Mobile / Handhelds	Workstations	Wired Networking	Asus Design Center	Check Repair Status	ESG
Phones	Accessories	Intelligent Robots	ASUSPRO	Find Service Locations	Environment
Accessories	Motherboards / Components	AIoT & Industrial Solutions	Automotive Solutions	Product Registration	
Laptops	Motherboards	Servers	AVC Licensing Notice	Email Us	
For Home	Graphics Cards	Smart Home	ASUS Blog	Call Us	
For Work	Cases	Accessories	About Us	Security Advisory	
For Creators	Cooling	Keyboards	About ASUS	ASUS Support Videos	
For Students	Power Supply Units	Mice and Mouse Pads	News	MyASUS	
For Gaming	Sound Cards	Headsets and Audio	Investor Relations		
Accessories	Optical Drives	Streaming Kits	Press Room		
Displays / Desktops	Data Storage	Apparel Bags and Gear	ASUSTOR Inc.		
Monitors	External Graphics Docks	Cases and Protection	ASUS Cloud Corporation		
Projectors	Networking / IoT / Servers	Adapters and Chargers	UniMax Electronics Inc.		
All-in-One PCs	WiFi 7	Docks Dongles and Cable			
Tower PCs	WiFi 6	Power Banks			
Gaming Tower PCs	WiFi Routers	Controller			
NUCs	Whole Home Mesh WiFi System	Gimbal			
Mini PCs	Business Network Solutions				