



ASUS ROG Zephyrus M GU502GV-AZ071T notebook i7-9750H 39.6 cm (15.6") Full HD Intel® Core™ i7 16 GB DDR4-SDRAM 512 GB SSD NVIDIA® GeForce RTX™ 2060 Wi-Fi 5 (802.11ac) Windows 10 Home Black

Brand : ASUS

Product family: ROG

Product code: GU502GV-AZ071T



Product name : GU502GV-AZ071T

- Windows 10 Home
- Intel Core i7-9750H (12MB Cache, 2.6GHz)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA GeForce RTX 2060 (6GB GDDR6)
- 16GB (2666MHz) DDR4-SDRAM & 512GB SSD
- Intel Core i7-9750H (12MB Cache, 2.6GHz), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel UHD Graphics 630, NVIDIA GeForce RTX 2060 (6GB GDDR6), LAN, WLAN, Bluetooth, Windows 10 Home



ASUS ROG Zephyrus M GU502GV-AZ071T. Product type: Notebook, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-9750H, Processor frequency: 2.6 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Home. Product colour: Black



Design		Network	
Product type *	Notebook	Antenna type	2x2
Product colour *	Black	Ethernet LAN connection	✓
Form factor *	Clamshell	Ethernet LAN data rates	10,100,1000 Mbit/s
Market positioning	Gaming	Bluetooth	✓
Display		Bluetooth version	5.0
Display diagonal *	39.6 cm (15.6")	Ports & interfaces	
Display resolution *	1920 x 1080 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Touch screen *	✗	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
HD type	Full HD	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Panel type	IPS	Ethernet LAN (RJ-45) ports quantity	1
LED backlight	✓	HDMI ports quantity *	1
Native aspect ratio	16:9	HDMI version	2.0b
Display response rise/fall	3 ms	Headphone outputs	1
sRGB coverage (typical)	100%	Microphone in	✓
Processor		Performance	
Processor manufacturer *	Intel	Virtual Reality (VR) ready	✓
Processor generation	9th gen Intel® Core™ i7	Keyboard	
Processor *	i7-9750H	Pointing device	Touchpad
Processor family *	Intel® Core™ i7	Numeric keypad *	✗
Processor frequency *	2.6 GHz	Windows keys	✓
Processor boost frequency	4.5 GHz	Software	
Processor threads	12	Operating system installed *	Windows 10 Home
System bus data transfer rate	8 GT/s	Processor special features	
Processor number of cores	6	Intel My WiFi Technology	✓
Processor cache	12 MB		
Processor cache type	Smart Cache		
Processor socket	BGA 1440		
Processor lithography	14 nm		

Processor		Processor special features	
Processor operating modes	64-bit	Intel Identity Protection Technology	✓
Processor codename	Coffee Lake	Intel Hyper-Threading Technology	✓
Thermal Design Power (TDP)	45 W	Intel Turbo Boost Technology	2.0
Configurable TDP-down	35 W	Enhanced Intel SpeedStep Technology	✓
Tjunction	100 °C	Intel Clear Video HD Technology	✓
Maximum number of PCI Express lanes	16	Intel Clear Video Technology	✓
PCI Express slots version	3.0	Intel® InTru™ 3D Technology	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Quick Sync Video Technology	✓
Memory		Intel Flex Memory Access	✓
Internal memory *	16 GB	Intel AES New Instructions	✓
Internal memory type	DDR4-SDRAM	Intel Trusted Execution Technology	✗
Memory clock speed	2666 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	1x SO-DIMM	Intel® Secure Key	✓
Maximum internal memory *	32 GB	Intel TSX-NI	✗
Storage		Intel Stable Image Platform Program (SIPP)	✗
Total storage capacity *	512 GB	Intel® OS Guard	✓
Storage media *	SSD	Intel Software Guard Extensions (Intel SGX)	✓
Total SSDs capacity	512 GB	Intel 64	✓
Number of SSDs installed	1	Execute Disable Bit	✓
Solid-state drive capacity	512 GB	Idle States	✓
Solid-state drive interfaces	M.2	Thermal Monitoring Technologies	✓
Optical drive type *	✗	Processor package size	42 x 28 mm
Graphics		Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Discrete graphics card model *	NVIDIA® GeForce RTX™ 2060	CPU configuration (max)	1
On-board graphics card *	✓	Embedded options available	✗
Discrete graphics card *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card model *	Intel® UHD Graphics 630	Intel Virtualization Technology (VT-x)	✓
On-board graphics card base frequency	350 MHz	Processor ARK ID	191045
On-board graphics card dynamic frequency (max)	1150 MHz	Energy Management	
Maximum on-board graphics card memory	64 GB	AC adapter power	230 W
On-board graphics card DirectX version	12.0	Security	
On-board graphics card OpenGL version	4.5	Cable lock slot	✓
On-board graphics card ID	0x3E9B	Cable lock slot type	Kensington
Discrete graphics card memory	6 GB	Weight & Dimensions	
Discrete graphics memory type	GDDR6	Width	360 mm
Audio		Depth	252 mm
Number of built-in speakers	2	Height	18.9 mm
Built-in microphone	✓	Weight *	1.9 kg
Network		Technical Details	
Wi-Fi	✓	Repairability index	6.8
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)		

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