

ASUS ROG Zephyrus M GU502GV-AZ048T Intel® Core™ i7 i7-9750H Laptop 39,6 cm (15.6") Full HD 16 GB DDR4-SDRAM 1 TB SSD NVIDIA® GeForce RTX™ 2060 Wi-Fi 5 (802.11ac) Windows 10 Home Black

Brand : ASUS

Product family: ROG

Product code: 90NR02E2-M01060

Product name : GU502GV-AZ048T



- Windows 10 Home
 - Intel Core i7-9750H (12MB Cache, 2.6GHz)
 - 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce RTX 2060 (6GB GDDR6)
 - 16GB (2666MHz) DDR4-SDRAM & 1000GB SSD
 Intel Core i7-9750H (12MB Cache, 2.6GHz), 16GB DDR4-SDRAM, 1000GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics 630, NVIDIA GeForce RTX 2060 (6GB GDDR6), LAN, WLAN, Bluetooth, Windows 10 Home

ASUS ROG Zephyrus M GU502GV-AZ048T. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: 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: 1 TB, 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 *	Laptop	Ethernet LAN data rates	10,100,1000 Mbit/s
Product colour *	Black	Bluetooth	✓
Form factor *	Clamshell	Bluetooth version	5.0
Display		Ports & interfaces	
Display diagonal *	39,6 cm (15.6")	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display resolution *	1920 x 1080 pixels	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Touchscreen *	✗	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HD type	Full HD	Ethernet LAN (RJ-45) ports	1
LED backlight	✓	HDMI ports quantity *	1
Native aspect ratio	16:9	HDMI version	2.0b
Dual-screen	✗	Headphone outputs	1
Display response rise/fall	3 ms	Microphone in	✓
sRGB coverage (typical)	100%		
Processor		Performance	
Processor manufacturer *	Intel	Virtual Reality (VR) ready	✓
Processor family *	Intel® Core™ i7	Repairability index	6.8
Processor generation	9th gen Intel® Core™ i7		
Processor model *	i7-9750H	Keyboard	
Processor cores	6	Pointing device	Touchpad
Processor threads	12	Numeric keypad *	✗
Processor boost frequency	4,5 GHz	Windows keys	✓
Processor frequency *	2,6 GHz		
System bus rate	8 GT/s	Software	
Processor cache	12 MB	Operating system installed *	Windows 10 Home
Processor cache type	Smart Cache		
Processor socket	BGA 1440	Processor special features	
Processor lithography	14 nm	Intel® My WiFi Technology (Intel® MWT)	✓
Processor operating modes	64-bit		

Processor		Processor special features	
Processor codename	Coffee Lake	Intel® Identity Protection Technology (Intel® IPT)	✓
Thermal Design Power (TDP)	45 W	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Configurable TDP-down	35 W	Intel® Turbo Boost Technology	2.0
Tjunction	100 °C	Enhanced Intel SpeedStep Technology	✓
Maximum number of PCI Express lanes	16	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
PCI Express slots version	3.0	Intel Clear Video Technology	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® InTru™ 3D Technology	✓
Memory		Intel® Quick Sync Video Technology	✓
Internal memory *	16 GB	Intel Flex Memory Access	✓
Internal memory type	DDR4-SDRAM	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory clock speed	2666 MHz	Intel Trusted Execution Technology	✗
Maximum internal memory *	32 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Storage		Intel® Secure Key	✓
Total storage capacity *	1 TB	Intel TSX-NI	✗
Storage media *	SSD	Intel Stable Image Platform Program (SIPP)	✗
Total SSDs capacity	1 TB	Intel® OS Guard	✓
Number of SSDs installed	1	Intel Software Guard Extensions (Intel SGX)	✓
SSD capacity	1 TB	Intel 64	✓
SSD interface	M.2	Execute Disable Bit	✓
Optical drive type *	✗	Idle States	✓
Graphics		Thermal Monitoring Technologies	✓
Discrete graphics card model *	NVIDIA® GeForce RTX™ 2060	Processor package size	42 x 28 mm
Discrete graphics card memory	6 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Discrete graphics memory type	GDDR6	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 family	Intel® UHD Graphics	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® UHD Graphics 630	Processor ARK ID	191045
On-board graphics card base frequency	350 MHz	Power	
On-board graphics card dynamic frequency (max)	1150 MHz	AC adapter power	230 W
Maximum on-board graphics card memory	64 GB	Security	
On-board graphics card DirectX version	12.0	Cable lock slot	✓
On-board graphics card OpenGL version	4.5	Cable lock slot type	Kensington
On-board graphics card ID	0x3E9B	Weight & dimensions	
Audio		Width	360 mm
Number of built-in speakers	2	Depth	252 mm
Network		Height	18,9 mm
Wi-Fi	✓	Weight *	1,9 kg
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Antenna type	2x2		
Ethernet LAN	✓		



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