

ASUS ROG Zephyrus G16 GU603VV-N4005 Intel® Core™ i9 i9-13900H Laptop 40,6 cm (16") WQXGA 32 GB DDR4-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Black, Grey



Brand : ASUS

Product family: ROG

Article code: 90NR0BL3-M00060

Product name : GU603VV-N4005

ASUS ROG Zephyrus G16 GU603VV-N4005. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13900H. Display diagonal: 40,6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4060. Product color: Black, Grey. Weight: 2 kg

Design		Network	
Color name	Eclipse Gray	Ethernet LAN	✓
Product type *	Laptop	Ethernet LAN data rates	10,100,1000 Mbit/s
Product color *	Black, Grey	Bluetooth	✓
Form factor *	Clamshell	Bluetooth version	5.2
Market positioning	Gaming	Ports & interfaces	
Introduction year	2023	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Display		USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display diagonal *	40,6 cm (16")	Ethernet LAN (RJ-45) ports	1
Display resolution *	2560 x 1600 pixels	HDMI ports quantity *	1
Touchscreen *	✗	HDMI version	2.1
HD type	WQXGA	Thunderbolt 4 ports quantity	1
Panel type	IPS	Intel® Thunderbolt 4	✓
LED backlight	✓	Combo headphone/mic port	✓
Native aspect ratio	16:10	USB Type-C DisplayPort Alternate Mode	✓
Anti-glare screen	✓	Keyboard	
Display brightness	500 cd/m²	Pointing device	Touchpad
RGB color space	DCI-P3	Numeric keypad *	✗
Color gamut	100%	Keyboard backlight	✓
Maximum refresh rate	240 Hz	Keyboard backlight color	RGB
Processor		Keyboard backlight zone	1-zone RGB
Processor manufacturer *	Intel	Software	
Processor family *	Intel® Core™ i9	Operating system installed *	✗
Processor generation	13th gen Intel® Core™ i9	Processor special features	
Processor model *	i9-13900H	Intel Flex Memory Access	✓
Processor cores	14	Intel Trusted Execution Technology	✓
Processor boost frequency	5,4 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache	24 MB	Intel Stable Image Platform Program (SIPP)	✓
Configurable TDP-down	35 W	Execute Disable Bit	✓
Memory			
Internal memory *	32 GB		
Internal memory type	DDR4-SDRAM		
Memory clock speed	3200 MHz		
Memory form factor	On-board + SO-DIMM		
Memory slots	1x SO-DIMM		

Memory		Processor special features	
Maximum internal memory *	48 GB	CPU configuration (max)	1
Storage		Embedded options available	✗
Total storage capacity *	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	SSD	Intel Virtualization Technology (VT-x)	✓
Total SSDs capacity	1 TB	Battery	
Number of SSDs installed	1	Battery technology	Lithium-Ion (Li-Ion)
SSD capacity	1 TB	Number of battery cells	4
SSD interface	PCI Express 4.0	Battery capacity *	90 Wh
NVMe	✓	Power	
SSD form factor	M.2	AC adapter power	240 W
Optical drive type *	✗	AC adapter frequency	50 - 60 Hz
Card reader integrated	✓	AC adapter input voltage	100 - 240 V
Compatible memory cards	MicroSD (TransFlash)	AC adapter output current	12 A
Graphics		AC adapter output voltage	20 V
Discrete GPU manufacturer	NVIDIA	DC-in jack	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4060	USB Power Delivery	✓
Discrete graphics card memory	8 GB	Security	
Discrete graphics memory type	GDDR6	Cable lock slot	✓
On-board graphics card *	✓	Cable lock slot type	Kensington
On-board GPU manufacturer	Intel	Face recognition	✓
Discrete graphics card *	✓	Windows Hello	✓
On-board graphics card model *	Intel Iris Xe Graphics	Trusted Platform Module (TPM)	✓
Audio		Password protection	✓
Audio system	Dolby Atmos	Password protection type	BIOS, User
Built-in microphone	✓	Weight & dimensions	
Camera		Width	355 mm
Front camera	✓	Depth	243 mm
Front camera resolution	1280 x 720 pixels	Height (front)	1,99 cm
Front camera HD type	HD	Height (rear)	2,23 cm
Infrared (IR) camera	✓	Weight *	2 kg
Network		Packaging data	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Package width	465 mm
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Package depth	90 mm
Mobile network connection *	✗	Package height	335 mm
Antenna type	2x2	Package weight	5,03 kg



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