



ASUS ROG Zephyrus G16 GU603VI-N4020W Intel® Core™ i9 i9-13900H Laptop 40.6 cm (16") Quad HD+ 32 GB DDR4-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey

Brand : ASUS

Product family: ROG

Product code: 90NR0G33-M00510

Product name : GU603VI-N4020W



- Windows 11 Home 64-bit
 - Intel Core i9-13900H (24MB Cache)
 - 40.6 cm (16") Quad HD+ 2560 x 1600 IPS, NVIDIA GeForce RTX 4070 (8GB GDDR6)
 - 32GB (3200MHz) DDR4-SDRAM (1 x 16) & 1000GB SSD
 Intel Core i9-13900H (24MB Cache), 32GB DDR4-SDRAM, 1000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600 IPS, Intel Iris Xe Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit
 ASUS ROG Zephyrus G16 GU603VI-N4020W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13900H. Display diagonal: 40.6 cm (16"), HD type: Quad HD+, 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 4070. Operating system installed: Windows 11 Home. Product colour: Black, Grey



Design		Camera	
Colour name	Eclipse Gray	Front camera resolution	1280 x 720 pixels
Product type *	Laptop	Front camera HD type	HD
Product colour *	Black, Grey	Infrared (IR) camera	✓
Form factor *	Clamshell	Network	
Housing material	Aluminium	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Market positioning	Gaming	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Introduction year	2023	Mobile network connection *	✗
Country of origin	China	Antenna type	2x2
Display		Ethernet LAN	✓
Display diagonal *	40.6 cm (16")	Ethernet LAN data rates	10,100,1000 Mbit/s
Display resolution *	2560 x 1600 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.3
HD type	Quad HD+	Ports & interfaces	
Panel type	IPS	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
LED backlight	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Native aspect ratio	16:10	Ethernet LAN (RJ-45) ports	1
Anti-glare screen	✓	HDMI ports quantity *	1
Display brightness	500 cd/m ²	HDMI version	2.1
RGB colour space	DCI-P3	Thunderbolt 4 ports quantity	1
Colour gamut	100%	Intel® Thunderbolt 4	✓
Maximum refresh rate	240 Hz	Combo headphone/mic port	✓
Contrast ratio (typical)	1200:1	Power adapter barrel connector	6.0 mm
High Dynamic Range (HDR) supported	✓	USB Type-C DisplayPort Alternate Mode	✓
High Dynamic Range (HDR) technology	Dolby Vision	USB Power Delivery	✓
Processor			
Processor manufacturer *	Intel		
Processor family *	Intel® Core™ i9		

Processor		Performance	
Processor generation	13th gen Intel® Core™ i9	Repairability index	8.5
Processor model *	i9-13900H	Keyboard	
Processor cores	14	Pointing device	Touchpad
Processor boost frequency	5.4 GHz	Numeric keypad *	✗
Performance cores	6	Keyboard backlit	✓
Efficient cores	8	Keyboard backlit colour	RGB
Performance-core Max Turbo Frequency	5.4 GHz	Keyboard backlit zone	1-zone RGB
Efficient-core Max Turbo Frequency	4.1 GHz	Software	
Processor cache	24 MB	Operating system architecture	64-bit
Processor cache type	Smart Cache	Operating system installed *	Windows 11 Home
Configurable TDP-down	35 W	Processor special features	
Processor base power	45 W	CPU configuration (max)	1
Maximum turbo power	115 W	Battery	
Memory		Battery technology	Lithium-Ion (Li-Ion)
Internal memory *	32 GB	Number of battery cells	4
Internal memory type	DDR4-SDRAM	Battery capacity *	90 Wh
Memory clock speed	3200 MHz	Fast charging	✓
Memory form factor	On-board + SO-DIMM	Fast charging time (50%)	30 min
Memory layout (slots x size)	1 x 16 GB	Power	
Memory slots	1x SO-DIMM	AC adapter power	240 W
Maximum internal memory *	48 GB	AC adapter frequency	50 - 60 Hz
Storage		AC adapter input voltage	100 - 240 V
Total storage capacity *	1 TB	AC adapter output current	12 A
Storage media *	SSD	AC adapter output voltage	20 V
Total SSDs capacity	1 TB	Security	
Number of SSDs installed	1	Cable lock slot	✓
SSD capacity	1 TB	Cable lock slot type	Kensington
SSD interface	PCI Express 4.0	Face recognition	✓
NVMe	✓	Windows Hello	✓
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Password protection	✓
Graphics		Password protection type	BIOS, User
Discrete GPU manufacturer	NVIDIA	Sustainability	
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Sustainability compliance	✓
Discrete graphics card memory	8 GB	Sustainability certificates	ENERGY STAR
Discrete graphics memory type	GDDR6	Weight & dimensions	
On-board graphics card *	✓	Width	355 mm
On-board GPU manufacturer	Intel	Depth	243 mm
Discrete graphics card *	✓	Height (front)	1.99 cm
On-board graphics card model *	Intel Iris Xe Graphics	Height (rear)	2.23 cm
NVIDIA G-SYNC	✓	Weight *	2 kg
Audio		Packaging data	
Audio system	Smart Amp	Package width	90 mm
Built-in microphone	✓	Package depth	465 mm
Camera		Package height	335 mm
Front camera	✓	Package weight	2.86 kg
		Logistics data	
		Commodity Classification	
		Automated Tracking System (CCATS)	8471300000



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