

# ASUS ROG Zephyrus G16 GU603VI-N4081W Intel® Core™ i7 i7-13620H Laptop 40,6 cm (16") WQXGA 32 GB DDR4-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6 (802.11ax) Windows 11 Home Black, Grey



**Brand :** ASUS

**Product family:** ROG

**Article code:** 90NR0G33-M005W0

**Product name :** GU603VI-N4081W

ASUS ROG Zephyrus G16 GU603VI-N4081W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13620H. 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® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4070. Operating system installed: Windows 11 Home. Product color: Black, Grey

Design		Camera	
Colour name	Eclipse Gray	Front camera HD type	HD
Product type *	Laptop	Infrared (IR) camera	✓
Product colour *	Black, Grey	Network	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Market positioning	Gaming	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Introduction year	2023	Mobile network connection *	✗
Display		Antenna type	2x2
Display diagonal *	40.6 cm (16")	Ethernet LAN	✓
Display resolution *	2560 x 1600 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.2
HD type	WQXGA	Ports & interfaces	
LED backlight	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Native aspect ratio	16:10	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Anti-glare screen	✓	Ethernet LAN (RJ-45) ports	1
Display brightness	500 cd/m²	HDMI ports quantity *	1
RGB colour space	DCI-P3	HDMI version	2.1
Colour gamut	100%	Thunderbolt 4 ports quantity	1
Maximum refresh rate	240 Hz	Intel® Thunderbolt 4	✓
High Dynamic Range (HDR) supported	✓	Combo headphone/mic port	✓
High Dynamic Range (HDR) technology	Dolby Vision	Power adapter barrel connector	6.0 mm
Processor		USB Type-C DisplayPort Alternate Mode	✓
Processor manufacturer *	Intel	Keyboard	
Processor family *	Intel® Core™ i7	Pointing device	Touchpad
Processor generation	13th gen Intel® Core™ i7	Numeric keypad *	✗
Processor model *	i7-13620H	Keyboard backlit	✓
Processor cores	10	Software	
Processor boost frequency	4.9 GHz	Operating system architecture	64-bit
Efficient-core boost frequency	3.6 GHz	Operating system installed *	Windows 11 Home
Processor cache	24 MB	Processor special features	
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
Configurable TDP-down	35 W		
Processor base power	45 W		
Maximum turbo power	115 W		

Memory		Processor special features	
Internal memory *	32 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR4-SDRAM	Execute Disable Bit	✓
Memory clock speed	3200 MHz	CPU configuration (max)	1
Memory form factor	On-board + SO-DIMM	Embedded options available	✗
Memory slots	1x SO-DIMM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory *	48 GB	Intel Virtualization Technology (VT-x)	✓
Storage		Battery	
Total storage capacity *	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	1 TB	Battery capacity *	90 Wh
Number of SSDs installed	1	Power	
SSD capacity	1 TB	AC adapter power	240 W
SSD interface	PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	AC adapter output current	12 A
Optical drive type *	✗	AC adapter output voltage	20 V
Card reader integrated	✓	USB Power Delivery (USB PD) *	✓
Compatible memory cards	MicroSD (TransFlash)	Security	
Graphics		Cable lock slot	✓
Discrete GPU manufacturer	NVIDIA	Cable lock slot type	Kensington
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Face recognition	✓
Discrete graphics card memory	8 GB	Windows Hello	✓
Discrete graphics memory type	GDDR6	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	Password protection	✓
On-board GPU manufacturer	Intel	Password protection type	BIOS, User
Discrete graphics card *	✓	Sustainability	
On-board graphics card model *	Intel® UHD Graphics	Sustainability compliance	✓
NVIDIA G-SYNC	✓	Sustainability certificates	ENERGY STAR
Audio		Weight & dimensions	
Audio system	Smart Amp	Width	355 mm
Built-in microphone	✓	Depth	243 mm
Camera		Height (front)	1.99 cm
Front camera	✓	Height (rear)	2.23 cm
		Weight *	2 kg



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Publication date: 01-JAN-2025. Prints or copies of Information are only valid on the printed Publication date