

## ASUS ROG Zephyrus G16 GU603ZV-N3009W Intel® Core™ i7 i7-12700H Laptop 40.6 cm (16") WUXGA 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Windows 11 Home Grey

Brand : ASUS

Product family: ROG

Product code: 90NR0H25-M000K0

Product name : GU603ZV-N3009W



UNLIMITED ACCESS FOR 3 MONTHS TO OVER 100 HIGH-QUALITY PC GAMES



- Windows 11 Home 64-bit  
 - Intel Core i7-12700H (24MB Cache, 2.3GHz)  
 - 40.6 cm (16") WUXGA 1920 x 1200 IPS, NVIDIA GeForce RTX 4060 (8GB GDDR6)  
 - 16GB DDR4-SDRAM & 512GB SSD  
 Intel Core i7-12700H (24MB Cache, 2.3GHz), 16GB DDR4-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, Intel Iris Xe Graphics, NVIDIA GeForce RTX 4060 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit  
 ASUS ROG Zephyrus G16 GU603ZV-N3009W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12700H, Processor frequency: 2.3 GHz. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 11 Home. Product colour: Grey



Design		Network	
Colour name	Eclipse Gray	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Product type *	Laptop	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Product colour *	Grey	Mobile network connection *	✗
Form factor *	Clamshell	Antenna type	2x2
Market positioning	Gaming	Ethernet LAN	✓
<b>Display</b>		Bluetooth	✓
Display diagonal *	40.6 cm (16")	Bluetooth version	5.3
Display resolution *	1920 x 1200 pixels	<b>Ports &amp; interfaces</b>	
Touchscreen *	✗	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
HD type	WUXGA	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Panel type	IPS	Ethernet LAN (RJ-45) ports	1
Native aspect ratio	16:10	HDMI ports quantity *	1
Anti-glare screen	✓	HDMI version	2.1
Display brightness	250 cd/m <sup>2</sup>	Thunderbolt 4 ports quantity	1
RGB colour space	sRGB	Intel® Thunderbolt 4	✓
Colour gamut	100%	Combo headphone/mic port	✓
Maximum refresh rate	165 Hz	Power adapter barrel connector	6.0 mm
Contrast ratio (typical)	1000:1	USB Type-C DisplayPort Alternate Mode	✓
High Dynamic Range (HDR) supported	✓	USB Power Delivery	✓
High Dynamic Range (HDR) technology	Dolby Vision	<b>Keyboard</b>	
<b>Processor</b>		Pointing device	Touchpad
Processor manufacturer *	Intel	Keyboard layout	QWERTY
Processor family *	Intel® Core™ i7	Numeric keypad *	✗
Processor generation	12th gen Intel® Core™ i7	Keyboard backlit	✓
Processor model *	i7-12700H		
Processor cores	14		
Processor boost frequency	4.7 GHz		

<b>Processor</b>		<b>Software</b>	
Processor frequency *	2.3 GHz	Operating system architecture	64-bit
Processor cache	24 MB	Trial software	McAfee LiveSafe™ 30-day trial
Configurable TDP-down	35 W	Operating system installed *	Windows 11 Home
<b>Memory</b>		<b>Processor special features</b>	
Internal memory *	16 GB	Intel Flex Memory Access	✓
Internal memory type	DDR4-SDRAM	Intel Trusted Execution Technology	✓
Memory form factor	On-board	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	1x SO-DIMM	Execute Disable Bit	✓
Maximum internal memory *	48 GB	CPU configuration (max)	1
<b>Storage</b>		Embedded options available	✗
Total storage capacity *	512 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	SSD	Intel Virtualization Technology (VT-x)	✓
Total SSDs capacity	512 GB	<b>Battery</b>	
Number of SSDs installed	1	Battery technology	Lithium-Ion (Li-Ion)
SSD capacity	512 GB	Number of battery cells	4
SSD interface	PCI Express 4.0	Battery capacity *	90 Wh
NVMe	✓	<b>Power</b>	
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
<b>Graphics</b>		AC adapter output voltage	20 V
Discrete GPU manufacturer	NVIDIA	<b>Security</b>	
Discrete graphics card model *	NVIDIA GeForce RTX 4060	Cable lock slot	✓
Discrete graphics card memory	8 GB	Cable lock slot type	Kensington
Discrete graphics memory type	GDDR6	Windows Hello	✓
On-board graphics card *	✓	Trusted Platform Module (TPM)	✓
On-board GPU manufacturer	Intel	Password protection	✓
Discrete graphics card *	✓	Password protection type	BIOS, User
On-board graphics card model *	Intel Iris Xe Graphics	<b>Weight &amp; dimensions</b>	
<b>Audio</b>		Width	355 mm
Audio system	Dolby Atmos	Depth	243 mm
Built-in microphone	✓	Height (front)	2.05 cm
<b>Camera</b>		Height (rear)	2.29 cm
Front camera	✓	Weight *	2 kg
Front camera HD type	HD		
Infrared (IR) camera	✓		



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