ASUS ROG Zephyrus G16 GU605MY-QR032W Intel Core Ultra 9 185H Laptop 40.6 cm (16") WQXGA 32 GB LPDDR5x-SDRAM 2 TB SSD NVIDIA GeForce RTX 4090 Wi-Fi 6E (802.11ax) Windows 11 Home White

Brand : ASUS

Product family: ROG

Product code: 90NR0IQ6-M001C0

Product name : GU605MY-QR032W

- Windows 11 Home 64-bit
- Intel Core Ultra 9 185H (24MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600 OLED, NVIDIA GeForce RTX 4090 (16GB GDDR6)
- 32GB LPDDR5x-SDRAM & 2000GB SSD

Intel Core Ultra 9 185H (24MB Cache), 32GB LPDDR5x-SDRAM, 2000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 OLED, Intel Arc Graphics, NVIDIA GeForce RTX 4090 (16GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Zephyrus G16 GU605MY-QR032W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 185H. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 2 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4090. Operating system installed: Windows 11 Home. Product colour: White

Design

Colour name	Platinum White
Product type *	Laptop
Product colour *	White
Form factor *	Clamshell
Market positioning	Gaming

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	WQXGA
Panel type	OLED
Native aspect ratio	16:10
Display surface	Gloss
Display brightness	400 cd/m²
Maximum display brightness (HDR)	500 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	240 Hz
High Dynamic Range (HDR) supported	✔

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 9
Processor generation	Intel® Core™ Ultra (Series 1)
Processor model *	185H
Processor cores	16
Processor boost frequency	5.1 GHz
Performance cores	6

Graphics

On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card family	Intel Arc Graphics
On-board graphics card model *	Intel Arc Graphics

Audio

Number of built-in speakers	4
Built-in microphone	✔
Number of microphones	3

Camera

Front camera	✔
Front camera HD type	Full HD
Infrared (IR) camera	✔

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✘
Antenna type	2x2
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	1

Processor

Efficient cores	8
Performance-core Max Turbo Frequency	5.1 GHz
Efficient-core Max Turbo Frequency	3.8 GHz
Performance-core base frequency	2.3 GHz
Efficient-core base frequency	1.8 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	45 W
Maximum turbo power	115 W

Memory

Internal memory *	32 GB
Internal memory type	LPDDR5x-SDRAM
Memory form factor	On-board
Maximum internal memory *	32 GB

Storage

Total storage capacity *	2 TB
Storage media *	SSD
Total SSDs capacity	2 TB
Number of SSDs installed	1
SSD capacity	2 TB
SSD interface	PCI Express 4.0
NVMe	✓
SSD form factor	M.2
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	SD

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4090
Discrete graphics card memory	16 GB
Discrete graphics memory type	GDDR6

Ports & interfaces

Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓
USB Type-C DisplayPort Alternate Mode	✓
USB Power Delivery	✓

Keyboard

Pointing device	Touchpad
Numeric keypad *	✗
Keyboard backlit	✓

Software

Operating system architecture	64-bit
Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	90 Wh

Power

AC adapter power	240 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	12 A
AC adapter output voltage	20 V

Security

Windows Hello	✓
Trusted Platform Module (TPM)	✓
Password protection	✓
Password protection type	BIOS, User

Weight & dimensions

Width	354 mm
Depth	246 mm
Height (front)	1.49 cm
Height (rear)	1.74 cm
Weight *	1.95 kg

Other features

AC adapter included	✓

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