



GU603VV-G16.I74060



GU603ZU-BS71-CB



GU603VV-BS91-CB



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ROG Zephyrus G16 (2023) GU603

★★★★★ 4.6 (8)

Features **Tech Specs** Awards Gallery Where to buy Support

ROG Zephyrus G16 (2023) GU603
GU603VV-G16.I74060

★★★★★ 5.0 (1)

WHERE TO BUY

Compare

ROG Zephyrus G16 (2023) GU603
GU603ZU-BS71-CB

★★★★★ 5.0 (2)

Compare

ROG Zephyrus G16 (2023) GU603
GU603VV-BS91-CB

★★★★★ 5.0 (1)

Compare

Operating System

Windows 11 Home

Windows 11 Home

Windows 11 Home

Graphics

NVIDIA® GeForce RTX™ 4060 Laptop GPU
ROG Boost: 2300MHz* at 120W (2250MHz Boost
Clock+50MHz OC, 100W+20W Dynamic Boost)
8GB GDDR6

NVIDIA® GeForce RTX™ 4050 Laptop GPU
ROG Boost: 2405MHz* at 120W (2355MHz Boost
Clock+50MHz OC, 100W+20W Dynamic Boost)
6GB GDDR6

NVIDIA® GeForce RTX™ 4060 Laptop GPU
ROG Boost: 2300MHz* at 120W (2250MHz Boost
Clock+50MHz OC, 100W+20W Dynamic Boost)
8GB GDDR6

Display

16-inch
FHD+ 16:10 (1920 x 1200, WUXGA)
Value IPS-level
Anti-glare display
sRGB:
100%
Refresh Rate:
165Hz
G-Sync
MUX Switch + NVIDIA® Advanced Optimus
Support Dolby Vision HDR :
Yes

ROG Nebula Display
16-inch
QHD+ 16:10 (2560 x 1600, WQXGA)
IPS-level
Anti-glare display
DCI-P3:
100%
Refresh Rate:
240Hz
G-Sync
Pantone Validated
MUX Switch + NVIDIA® Advanced Optimus
Support Dolby Vision HDR :
Yes

ROG Nebula Display
16-inch
QHD+ 16:10 (2560 x 1600, WQXGA)
IPS-level
Anti-glare display
DCI-P3:
100%
Refresh Rate:
240Hz
G-Sync
Pantone Validated
MUX Switch + NVIDIA® Advanced Optimus
Support Dolby Vision HDR :
Yes

Memory

16GB DDR4 on board
Max Capacity:
48GB

16GB DDR4 on board
Max Capacity:
48GB

16GB DDR4 on board
Max Capacity:
48GB

Storage

512GB PCIe® 4.0 NVMe™ M.2 SSD

1TB PCIe® 4.0 NVMe™ M.2 SSD

1TB PCIe® 4.0 NVMe™ M.2 SSD

I/O Ports

1x 3.5mm Combo Audio Jack
1x HDMI 2.1 FRL
2x USB 3.2 Gen 2 Type-A
1x USB 3.2 Gen 2 Type-C support DisplayPort™ /
power delivery
1x RJ45 LAN port
1x Thunderbolt™ 4 support DisplayPort™ / power
delivery
1x card reader (microSD) (UHS-II)

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1x HDMI 2.1 FRL
2x USB 3.2 Gen 2 Type-A
1x USB 3.2 Gen 2 Type-C support DisplayPort™ /
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1x Thunderbolt™ 4 support DisplayPort™ / power
delivery
1x card reader (microSD) (UHS-II)

Keyboard and Touchpad

Backlit Chiclet Keyboard 1-Zone RGB
Touchpad

Backlit Chiclet Keyboard 1-Zone RGB
Touchpad

Backlit Chiclet Keyboard 1-Zone RGB
Touchpad

Camera



Product Comparison

Product added to comparison. Add up to 4 products or proceed to view compare products selected.

[VIEW COMPARISON](#)

Smart Amp Technology	Smart Amp Technology	Smart Amp Technology
Dolby Atmos	Dolby Atmos	Dolby Atmos
AI noise-canceling technology	AI noise-canceling technology	AI noise-canceling technology
Hi-Res certification	Hi-Res certification	Hi-Res certification
Built-in array microphone	Built-in array microphone	Built-in array microphone
2x 2W Tweeter	2x 2W Tweeter	2x 2W Tweeter
2x 2W dual-force woofer with Smart Amp Technology	2x 2W dual-force woofer with Smart Amp Technology	2x 2W dual-force woofer with Smart Amp Technology

Network and Communication

Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth®	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth®	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth®
5.3 Wireless Card (*Bluetooth® version may change with OS version different.)	5.3 Wireless Card (*Bluetooth® version may change with OS version different.)	5.3 Wireless Card (*Bluetooth® version may change with OS version different.)

Battery

90WHrs, 4S1P, 4-cell Li-ion	90WHrs, 4S1P, 4-cell Li-ion	90WHrs, 4S1P, 4-cell Li-ion
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Power Supply

ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal	ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal	ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal
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AURA SYNC

Yes	Yes	Yes
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Weight

2.00 Kg (4.41 lbs)	2.00 Kg (4.41 lbs)	2.00 Kg (4.41 lbs)
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Dimensions (W x D x H)

35.5 x 24.3 x 2.05 ~ 2.29 cm (13.98" x 9.57" x 0.81" ~ 0.90")	35.5 x 24.3 x 1.99 ~ 2.23 cm (13.98" x 9.57" x 0.78" ~ 0.88")	35.5 x 24.3 x 1.99 ~ 2.23 cm (13.98" x 9.57" x 0.78" ~ 0.88")
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Xbox Game Pass

Xbox Game Pass Ultimate_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Ultimate. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)	Xbox Game Pass Ultimate_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Ultimate. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)	Xbox Game Pass Ultimate_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Ultimate. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)
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Ecolabels & Compliances

ENERGY STAR®	ENERGY STAR®
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Security

BIOS Administrator Password and User Password Protection	BIOS Administrator Password and User Password Protection	BIOS Administrator Password and User Password Protection
Kensington Security Slot™	Kensington Security Slot™	Kensington Security Slot™
Trusted Platform Module (Firmware TPM)	Trusted Platform Module (Firmware TPM)	Trusted Platform Module (Firmware TPM)

Processor

12th Gen Intel® Core™ i7-12700H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 14 cores: 6 P-cores and 8 E-cores)	13th Gen Intel® Core™ i9-13900H Processor 2.6 GHz (24M Cache, up to 5.4 GHz, 14 cores: 6 P-cores and 8 E-cores)
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HIGH DEFINITION MULTIMEDIA INTERFACE

- Unless otherwise stated, all performance claims are based on theoretical performance. Actual figures may vary in real-world situations.
- The actual transfer speed of USB 3.0, 3.1, 3.2, and/or Type-C will vary depending on many factors including the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment.