



ROG Zephyrus G16 (2024) GU605MY

Operating System

Windows 11 Pro

Processor

Intel® Core™ Ultra 9 Processor 185H 2.3 GHz (24MB Cache, up to 5.1 GHz, 16 cores, 22 Threads); Intel® AI Boost NPU

ROG Zephyrus G16 (2024) GU605

NVIDIA® GeForce RTX™ 4090 Laptop GPU
16GB GDDR6

Neural Processor

Intel® AI Boost NPU

Display

ROG Nebula Display
16-inch
2.5K (2560 x 1600, WQXGA) 16:10 aspect ratio
OLED
Glossy display
DCI-P3:100%
Refresh Rate:240Hz
Response Time:0.2ms
G-Sync
Pantone Validated
MUX Switch + NVIDIA® Advanced Optimus
Support Dolby Vision HDR :Yes

Memory

16GB*2 LPDDR5X 7467 on board(Rated speed of RAM module. Actual memory speeds may vary by CPU configuration.)
Max Capacity:32GB
Support dual channel memory

Storage

2TB PCIe® 4.0 NVMe™ M.2 Performance SSD

I/O Ports

1x 3.5mm Combo Audio Jack
1x HDMI 2.1 FRL
2x USB 3.2 Gen 1 Type-A
1x USB 3.2 Gen 2 Type-C support
DisplayPort™ / power delivery
1x Thunderbolt™ 4 support DisplayPort™ / power delivery
1x card reader (SD) (UHS-II, 312MB/s)

Keyboard and Touchpad



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[Features](#) [Tech Specs](#) [Gallery](#) [Support](#)
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<p>Backlit Chiclet Keyboard 1-Zone RGB Touchpad</p>  <h3>Camera</h3> <p>1080P FHD IR Camera for Windows Hello</p>	<p>Backlit Chiclet Keyboard 1-Zone RGB Touchpad</p>  <h3>Camera</h3> <p>1080P FHD IR Camera for Windows Hello</p>	<p>Backlit Chiclet Keyboard 1-Zone RGB Touchpad</p>  <h3>Camera</h3> <p>1080P FHD IR Camera for Windows Hello</p>	<p>Backlit Chiclet Keyboard 1-Zone RGB Touchpad</p>  <h3>Camera</h3> <p>1080P FHD IR Camera for Windows Hello</p>
<h3>Audio</h3> <p>AI noise-canceling technology Dolby Atmos Hi-Res certification Smart Amp Technology Built-in 3-microphone array 4-speaker (dual force woofer) system with Smart Amplifier Technology, 2 Tweeters</p>	<h3>Audio</h3> <p>AI noise-canceling technology Dolby Atmos Hi-Res certification Smart Amp Technology Built-in 3-microphone array 4-speaker (dual force woofer) system with Smart Amplifier Technology, 2 Tweeters</p>	<h3>Audio</h3> <p>AI noise-canceling technology Dolby Atmos Hi-Res certification Smart Amp Technology Built-in 3-microphone array 4-speaker (dual force woofer) system with Smart Amplifier Technology, 2 Tweeters</p>	<h3>Audio</h3> <p>AI noise-canceling technology Dolby Atmos Hi-Res certification Smart Amp Technology Built-in 3-microphone array 4-speaker (dual force woofer) system with Smart Amplifier Technology, 2 Tweeters</p>
<h3>Network and Communication</h3> <p>Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)</p>	<h3>Network and Communication</h3> <p>Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)</p>	<h3>Network and Communication</h3> <p>Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)</p>	<h3>Network and Communication</h3> <p>Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)</p>
<h3>Battery</h3> <p>90WHrs, 4S1P, 4-cell Li-ion</p>	<h3>Battery</h3> <p>90WHrs, 4S1P, 4-cell Li-ion</p>	<h3>Battery</h3> <p>90WHrs, 4S1P, 4-cell Li-ion</p>	<h3>Battery</h3> <p>90WHrs, 4S1P, 4-cell Li-ion</p>
<h3>Power Supply</h3> <p>Rectangle Conn, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal</p>	<h3>Power Supply</h3> <p>Rectangle Conn, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal</p>	<h3>Power Supply</h3> <p>Rectangle Conn, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal</p>	<h3>Power Supply</h3> <p>Rectangle Conn, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal</p>
<h3>AURA SYNC</h3> <p>Yes</p>	<h3>AURA SYNC</h3> <p>Yes</p>	<h3>AURA SYNC</h3> <p>Yes</p>	<h3>AURA SYNC</h3> <p>Yes</p>
<h3>Device Lighting</h3> <p>Slash Lighting</p>	<h3>Device Lighting</h3> <p>Slash Lighting</p>	<h3>Device Lighting</h3> <p>Slash Lighting</p>	<h3>Device Lighting</h3> <p>Slash Lighting</p>
<h3>Weight</h3> <p>1.95 Kg (4.30lbs)</p>	<h3>Weight</h3> <p>1.95 Kg (4.30lbs)</p>	<h3>Weight</h3> <p>1.95 Kg (4.30lbs)</p>	<h3>Weight</h3> <p>1.95 Kg (4.30lbs)</p>
<h3>Dimensions (W x D x H)</h3> <p>35.4 x 24.6 x 1.49 ~ 1.74 cm (13.94" x 9.69" x 0.59" ~ 0.69")</p>	<h3>Dimensions (W x D x H)</h3> <p>35.4 x 24.6 x 1.49 ~ 1.74 cm (13.94" x 9.69" x 0.59" ~ 0.69")</p>	<h3>Dimensions (W x D x H)</h3> <p>35.5 x 24.6 x 1.49 ~ 1.74 cm (13.98" x 9.69" x 0.59" ~ 0.69")</p>	<h3>Dimensions (W x D x H)</h3> <p>35.5 x 24.6 x 1.49 ~ 1.74 cm (13.98" x 9.69" x 0.59" ~ 0.69")</p>
<h3>Security</h3> <p>BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM) McAfee® 30 days free trial</p>	<h3>Security</h3> <p>BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM) McAfee® 30 days free trial</p>	<h3>Security</h3> <p>BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM) McAfee® 30 days free trial</p>	<h3>Security</h3> <p>BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM) McAfee® 30 days free trial</p>
<h3>Included in the Box</h3> <p>ROG Zephyrus G16 Sleeve (2024)(optional) ROG Impact Gaming Mouse(optional) TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal(optional)</p>	<h3>Included in the Box</h3> <p>ROG Zephyrus G16 Sleeve (2024)(optional) ROG Impact Gaming Mouse(optional) TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal(optional)</p>	<h3>Included in the Box</h3> <p>ROG Zephyrus G16 Sleeve (2024)(optional) ROG Impact Gaming Mouse(optional) TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal(optional)</p>	<h3>Included in the Box</h3> <p>ROG Zephyrus G16 Sleeve (2024)(optional) ROG Impact Gaming Mouse(optional) TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal(optional)</p>
<h3>Note</h3>	<h3>Note</h3>	<h3>Note</h3>	<h3>Note</h3>

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- An OLED display occurs burn-in damage if a static image is displayed for a prolonged period of time. When your ROG laptop is idle for over 5 minutes, the Microsoft Windows screen saver feature kicks in. The screen saver can move displayed pixels slightly to avoid consistently showing static images on your desktop. This significantly reduces the chance of burn-in and protects the display from visible color shifts over time. To prevent permanent burn-in damage to your OLED display, we strongly suggest that you always leave the feature enabled and avoid leaving your laptop idle for over 30 minutes.
- Please note that this Xbox Game Pass offer must be redeemed within 180 days of activating Windows. Systems that have not activated Windows within two years of their manufacture date will be unable to redeem this offer.
- The standard Asus test environment for battery life is as follows: Windows operating system, display module with 150 nits of brightness, lighting off, and other application settings.
- Video Playback: Testing is done with Wi-Fi/Bluetooth off, Windows Power Plan set to Balanced, Taskbar Power Mode set to Battery Saver, system volume at 67%, and video at full screen, 1080p resolution
- Web Browsing: Testing is done with Wi-Fi/Bluetooth, Windows Power Plan set to Balanced, Taskbar Power Mode set to Better Battery, and using the Weblooper Top50 website in Google Chrome to play the video with a refresh time of 10 seconds.
- Factors that affect battery life include laptop configuration, power settings, and the way it is used. Battery capacity fades with its cycle count and age.
- Quick-charging times apply when using the proper ASUS/ROG adapter included alongside the select model and the system is powered off (via the "shut down" command). In compatible scenarios, batteries can be recharged to 50% within 30 minutes under the optimal temperature range of 20-45 degrees Celsius. Charging times may vary +/- 10% due to system tolerance.
- The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.
- The actual HDMI version of the products should be checked in the product specifications page respectively.
- Unit with RJ45 port does not support "Power over Ethernet" (PoE), only support data transmission.
- Products certified by the Federal Communications Commission and Industry Canada will be distributed in the United States and Canada. Please visit the ASUS USA and ASUS Canada websites for information about locally available products.
- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- Specifications and features vary by model, and all images are illustrative. Please refer to specification pages for full details.
- PCB color and bundled software versions are subject to change without notice.
- Brand and product names mentioned are trademarks of their respective companies.
- 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.

LAPTOPS > ROG ZEPHYRUS > ROG ZEPHYRUS G16 (2024) > SPEC

ABOUT ROG HOME NEWSROOM ACCESSIBILITY HELP



Global/English

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