




# Find your perfect match

Compare up to 4 products

 <p><b>ROG Zephyrus M16 (2023) GU604VY-NM037W</b></p> <p><a href="#">Learn more</a></p>	 <p><b>ROG Zephyrus M16 (2023) GU604VY-NM042X</b></p> <p><a href="#">Learn more</a></p>	 <p><b>ROG Zephyrus M16 (2023) GU604VY-NM051X</b></p> <p><a href="#">Learn more</a></p>	
--	--	--	--

Hide similarities

Operating System			
Windows 11 Home	Windows 11 Pro	Windows 11 Pro	
Processor			
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)	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)	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)	
Graphics			
NVIDIA® GeForce RTX™ 4090 Laptop GPU ROG Boost: 1505 MHz* at 145W (1455MHz Boost Clock+50MHz OC, 120W+25W Dynamic Boost) 16GB GDDR6	NVIDIA® GeForce RTX™ 4090 Laptop GPU ROG Boost: 1505 MHz* at 145W (1455MHz Boost Clock+50MHz OC, 120W+25W Dynamic Boost) 16GB GDDR6	NVIDIA® GeForce RTX™ 4090 Laptop GPU ROG Boost: 1505 MHz* at 145W (1455MHz Boost Clock+50MHz OC, 120W+25W Dynamic Boost) 16GB GDDR6	
Display			
ROG Nebula HDR Display 16-inch QHD+ 16:10 (2560 x 1600, WQXGA) Mini LED Anti-glare display 100% 240Hz 3ms G-Sync Pantone Validated MUX Switch + NVIDIA® Advanced Optimus Yes	ROG Nebula HDR Display 16-inch QHD+ 16:10 (2560 x 1600, WQXGA) Mini LED Anti-glare display 100% 240Hz 3ms G-Sync Pantone Validated MUX Switch + NVIDIA® Advanced Optimus Yes	ROG Nebula HDR Display 16-inch QHD+ 16:10 (2560 x 1600, WQXGA) Mini LED Anti-glare display 100% 240Hz 3ms G-Sync Pantone Validated MUX Switch + NVIDIA® Advanced Optimus Yes	
Memory			
16GB DDR5-4800 SO-DIMM x 2 64GB Support dual channel memory	32GB DDR5-4800 SO-DIMM x 2 64GB Support dual channel memory	32GB DDR5-4800 SO-DIMM x 2 64GB Support dual channel memory	
Storage			
2TB PCIe® 4.0 NVMe™ M.2 Performance SSD	2TB PCIe® 4.0 NVMe™ M.2 Performance SSD	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 2 Type-A 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery 1x Thunderbolt™ 4 support DisplayPort™ / power delivery	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 Thunderbolt™ 4 support DisplayPort™ / power delivery	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 Thunderbolt™ 4 support DisplayPort™ / power delivery	
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			
1080P FHD IR Camera for Windows Hello	1080P FHD IR Camera for Windows Hello	1080P FHD IR Camera for Windows Hello	
Audio			
Smart Amp Technology Dolby Atmos AI noise-canceling technology Hi-Res certification	Smart Amp Technology Dolby Atmos AI noise-canceling technology Hi-Res certification	Smart Amp Technology Dolby Atmos AI noise-canceling technology Hi-Res certification	

Built-in 3-microphone array 2x 2W Tweeter 2x 2W dual-force woofer with Smart Amp Technology	Built-in 3-microphone array 2x 2W Tweeter 2x 2W dual-force woofer with Smart Amp Technology	Built-in 3-microphone array 2x 2W Tweeter 2x 2W dual-force woofer with Smart Amp Technology
<b>Network and Communication</b>		
Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.2 (*Bluetooth® version may change with OS version different.)	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.2 (*Bluetooth® version may change with OS version different.)	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.2 (*Bluetooth® version may change with OS version different.)
<b>Battery</b>		
90WHrs, 4S1P, 4-cell Li-ion	90WHrs, 4S1P, 4-cell Li-ion	90WHrs, 4S1P, 4-cell Li-ion
<b>Power Supply</b>		
ø6.0, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100~240V AC 50/60Hz universal TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	ø6.0, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100~240V AC 50/60Hz universal TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	ø6.0, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100~240V AC 50/60Hz universal
<b>AURA SYNC</b>		
Yes	Yes	Yes
<b>Device Lighting</b>		
AniMe Matrix™	AniMe Matrix™	
<b>Weight</b>		
2.30 Kg (5.07 lbs)	2.30 Kg (5.07 lbs)	2.10 Kg (4.63 lbs)
<b>Dimensions (W x D x H)</b>		
35.5 x 24.6 x 2.11 ~ 2.29 cm (13.98" x 9.69" x 0.83" ~ 0.90")	35.5 x 24.6 x 2.11 ~ 2.29 cm (13.98" x 9.69" x 0.83" ~ 0.90")	35.5 x 24.6 x 1.99 ~ 2.23 cm (13.98" x 9.69" x 0.78" ~ 0.88")
<b>Xbox Game Pass</b>		
Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. 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.)
<b>Security</b>		
BIOS Administrator Password and User Password Protection Kensington Security Slot™ Trusted Platform Module (Firmware TPM)	BIOS Administrator Password and User Password Protection Kensington Security Slot™ Trusted Platform Module (Firmware TPM)	BIOS Administrator Password and User Password Protection Kensington Security Slot™ Trusted Platform Module (Firmware TPM)
<b>Included in the Box</b>		
TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	ROG backpack ROG Fusion II 300 ROG Gladius III Mouse P514 TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal	

[Learn more](#)

[Learn more](#)

[Learn more](#)

**ASUS** Compare

**Shop and Learn**

<b>Mobile</b>	Workstations	Wired Networking
Phones	Accessories	Intelligent Robots
Accessories	<b>Motherboards / Components</b>	AIoT & Industrial Solutions
<b>Laptops</b>	Motherboards	Servers
For Home	Graphics Cards	Smart Home
For Work	Gaming Cases	<b>Accessories</b>
For Creators	Cooling	Keyboards
For Students	Power Supply Units	Mice and Mouse Pads
For Gaming	Sound Cards	Headsets and Audio
Accessories	Optical Drives	Streaming Kits
<b>Displays / Desktops</b>	Data Storage	Apparel Bags and Gear
Monitors	External Graphics Docks	Cases and Protection
Projectors	<b>Networking / IoT / Servers</b>	Adapters and Chargers
All-in-One PCs	WiFi 7	Docks Dongles and Cable
Tower PCs	WiFi 6	Power Banks
Gaming Tower PCs	WiFi Routers	Controller

**Learn More**

- [Asus Design Center](#)
- [ASUSPRO](#)
- [Automotive Solutions](#)
- [AVC Licensing Notice](#)
- [ASUS Blog](#)

**Support**

- [Check Repair Status](#)
- [Find Service Locations](#)
- [Product Registration](#)
- [Email Us](#)
- [Call Us](#)
- [Security Advisory](#)
- [ASUS Support Videos](#)
- [MyASUS](#)

**About Us**

- [About ASUS](#)
- [News](#)
- [Investor Relations](#)
- [About CSR for global](#)
- [Press Room](#)
- [ASUSTOR Inc.](#)
- [ASUS Cloud Corporation](#)
- [UniMax Electronics Inc.](#)