




# Find your perfect match

Compare up to 4 products

|  |  |  |  |
|--|--|--|--|
|  <p><b>ROG Flow X16 (2023)<br/>GV601VI-NL038X</b></p> <p><a href="#">Learn more</a></p> |  <p><b>ROG Flow X16 (2023)<br/>GV601VV-NL031X</b></p> <p><a href="#">Learn more</a></p> |  <p><b>ROG Flow X16 (2023)<br/>GV601VU-NL042X</b></p> <p><a href="#">Learn more</a></p> |  |
|--|--|--|--|

Hide similarities

| Operating System   |  |  |  |
|--|--|--|--|
| Windows 11 Pro   | 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™ 4070 Laptop GPU<br>ROG Boost: 2030MHz* at 120W (1980MHz Boost Clock+50MHz OC, 100W+20W Dynamic Boost)<br>8GB GDDR6  | NVIDIA® GeForce RTX™ 4060 Laptop GPU<br>ROG Boost: 2300MHz* at 120W (2250MHz Boost Clock+50MHz OC, 100W+20W Dynamic Boost)<br>8GB GDDR6  | NVIDIA® GeForce RTX™ 4050 Laptop GPU<br>ROG Boost: 2405MHz* at 105W (2355MHz Boost Clock+50MHz OC, 80W+25W Dynamic Boost)<br>6GB GDDR6   |  |
| Display  |  |  |  |
| ROG Nebula HDR Display<br>16-inch<br>QHD+ 16:10 (2560 x 1600, WQXGA)<br>Mini LED<br>Glossy display<br>100%<br>Touch Screen<br>240Hz<br>3ms<br>Adaptive-Sync<br>Pantone Validated<br>MUX Switch + Optimus<br>Yes  | ROG Nebula HDR Display<br>16-inch<br>QHD+ 16:10 (2560 x 1600, WQXGA)<br>Mini LED<br>Glossy display<br>100%<br>240Hz<br>Adaptive-Sync<br>Pantone Validated<br>MUX Switch + Optimus<br>Yes   | ROG Nebula HDR Display<br>16-inch<br>QHD+ 16:10 (2560 x 1600, WQXGA)<br>Mini LED<br>Glossy display<br>100%<br>240Hz<br>Adaptive-Sync<br>Pantone Validated<br>MUX Switch + Optimus<br>Yes   |  |
| Memory   |  |  |  |
| 16GB DDR5-4800 SO-DIMM x 2<br>64GB<br>Support dual channel memory  | 16GB DDR5-4800 SO-DIMM<br>64GB<br>Support dual channel memory  | 16GB DDR5-4800 SO-DIMM<br>64GB<br>Support dual channel memory  |  |
| Storage  |  |  |  |
| 2TB PCIe® 4.0 NVMe™ M.2 SSD  | 2TB PCIe® 4.0 NVMe™ M.2 SSD  | 1TB PCIe® 4.0 NVMe™ M.2 SSD  |  |
| I/O Ports  |  |  |  |
| 1x 3.5mm Combo Audio Jack<br>1x HDMI 2.1 FRL support HDMI switch<br>2x USB 3.2 Gen 2 Type-A<br>1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC<br>1x Thunderbolt™ 4 support DisplayPort™ / power delivery<br>1x ROG XG Mobile Interface | 1x 3.5mm Combo Audio Jack<br>1x HDMI 2.1 FRL support HDMI switch<br>2x USB 3.2 Gen 2 Type-A<br>1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC<br>1x Thunderbolt™ 4 support DisplayPort™ / power delivery<br>1x ROG XG Mobile Interface | 1x 3.5mm Combo Audio Jack<br>1x HDMI 2.1 FRL support HDMI switch<br>2x USB 3.2 Gen 2 Type-A<br>1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC<br>1x Thunderbolt™ 4 support DisplayPort™ / power delivery<br>1x ROG XG Mobile Interface |  |
| Keyboard and Touchpad  |  |  |  |
| Backlit Chiclet Keyboard 1-Zone RGB<br>Touchpad  | Backlit Chiclet Keyboard 1-Zone RGB<br>Touchpad  | Backlit Chiclet Keyboard 1-Zone RGB<br>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<br>Dolby Atmos<br>AI noise-canceling technology<br>Hi-Res certification   | Smart Amp Technology<br>Dolby Atmos<br>AI noise-canceling technology<br>Hi-Res certification   | Smart Amp Technology<br>Dolby Atmos<br>AI noise-canceling technology<br>Hi-Res certification   |  |

|   |   |   |
|---|---|---|
| Support Microsoft Cortana near field/Far field<br>Built-in 3-microphone array<br>4-speaker system with Smart Amplifier Technology | Support Microsoft Cortana near field/Far field<br>Built-in 3-microphone array<br>4-speaker system with Smart Amplifier Technology | Support Microsoft Cortana near field/Far field<br>Built-in 3-microphone array<br>4-speaker system with Smart Amplifier Technology |
|---|---|---|

### Network and Communication

|   |   |   |
|---|---|---|
| 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.) |
|---|---|---|

### Battery

|                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| 90WHrs, 4S1P, 4-cell Li-ion | 90WHrs, 4S1P, 4-cell Li-ion | 90WHrs, 4S1P, 4-cell Li-ion |
|-----------------------------|-----------------------------|-----------------------------|

### Power Supply

|   |   |   |
|---|---|---|
| ø6.0, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100~240V AC 50/60Hz universal<br>TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal | ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240V AC 50/60Hz universal<br>TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal | ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240V AC 50/60Hz universal<br>TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal |
|---|---|---|

### AURA SYNC

|     |     |     |
|-----|-----|-----|
| Yes | Yes | Yes |
|-----|-----|-----|

### Weight

|                    |                    |                    |
|--------------------|--------------------|--------------------|
| 2.20 Kg (4.85 lbs) | 2.20 Kg (4.85 lbs) | 2.20 Kg (4.85 lbs) |
|--------------------|--------------------|--------------------|

### Dimensions (W x D x H)

|   |   |   |
|---|---|---|
| 35.5 x 24.3 x 1.94 ~ 2.19 cm (13.98" x 9.57" x 0.76" ~ 0.86") | 35.5 x 24.3 x 1.94 ~ 2.19 cm (13.98" x 9.57" x 0.76" ~ 0.86") | 35.5 x 24.3 x 1.94 ~ 2.19 cm (13.98" x 9.57" x 0.76" ~ 0.86") |
|---|---|---|

### 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 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.) |
|---|---|---|

### Security

|  |  |  |
|--|--|--|
| BIOS Administrator Password and User Password Protection<br>Trusted Platform Module (Firmware TPM) | BIOS Administrator Password and User Password Protection<br>Trusted Platform Module (Firmware TPM) | BIOS Administrator Password and User Password Protection<br>Trusted Platform Module (Firmware TPM) |
|--|--|--|

### Included in the Box

|  |  |  |
|--|--|--|
| ROG backpack<br>ROG Fusion II 300<br>ROG Gladius III Mouse P514<br>TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal | ROG backpack<br>ROG Fusion II 300<br>ROG Gladius III Mouse P514<br>TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal | ROG backpack<br>ROG Fusion II 300<br>ROG Gladius III Mouse P514<br>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                  |
| Mini PCs                   | Whole Home Mesh WiFi System       | Gimbal                      |
|                            | Business Network Solutions        |                             |

### 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. |