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| Part No | **90NR0PJ4-M001S0** |
| Sales Model Name | **ZEPHYRUS-G16-GU606AP-DR3W** |
| EAN Code | **4711636447362** |
| UPC Code | **199291447363** |
| BASE UNIT | **VSNR0PJ4-BU1101** |
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| Marketing Name | **ROG Zephyrus G16** |
| Operating System | **Windows 11 Home** |
| Office | **1-month trial for new Microsoft 365 customers. Credit card required.** |
| Color | **Eclipse Gray** |
| Dimension (W x D x H) | **35.4 x 24.6 x 1.49 ~ 1.64 cm (13.94" x 9.69" x 0.59" ~ 0.65")** |
| Weight | **1.85 Kg (4.08 lbs)** |
| Processor | **Intel® Core™ Ultra 9 Processor 386H 2.1 GHz (18MB Cache, up to 4.9 GHz, 16 cores, 16 Threads); Intel® NPU up to 50TOPS** |
| Chipset | **N/A** |
| Intergrated GPU | **Intel® Graphics** |
| Discrete/Optimus | **MUX Switch + NVIDIA® Advanced Optimus** |
| Graphic | **NVIDIA® GeForce RTX™ 5070 Laptop GPU** |
| Graphic Memory | **8GB GDDR7** |
| Neural Processor | **Intel® NPU up to 50TOPS** |
| Panel Size | **16-inch** |
| Resolution | **2.5K (2560 x 1600, WQXGA) OLED 16:10 aspect ratio** |
| Refresh Rate | **240Hz** |
| Viewing Angle | **89/89/89/89** |
| Panel Tech | **OLED** |
| Brightness | **1100 nits (Peak)** |
| Contrast Ratio | **1,000,000:1** |
| DCI-P3 % | **100%** |
| Surface texture of display | **Anti-reflection display** |
| Adaptive-Sync technology | **G-Sync** |
| Pantone | **Pantone Validated** |
| Nebula Display | **ROG Nebula HDR Display** |
| Support Dolby Vision HDR | **Yes** |
| On board memory | **32GB LPDDR5X 8533 on board(Actual memory speeds may vary by CPU configuration.)** |
| Total System Memory | **LPDDR5X 32GB** |
| Memory Slot | **No expansion possible** |
| Memory Max. | **32GB** |

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| Multi-channel memory technology | **Support dual channel memory technology** |
| Storage | **1TB PCIe® 4.0 NVMe™ M.2 SSD** |
| M.2 slots support either SATA or NVMe | **2** |
| M.2 SSD Support List | **1TB M.2 NVMe™ PCIe® G5x4 Performance SSD**<br>**2TB M.2 NVMe™ PCIe® G5x4 Performance SSD**<br>**1TB M.2 NVMe™ PCIe® G4x4 Value SSD**<br>**2TB M.2 NVMe™ PCIe® G4x4 Value SSD** |
| Expansion Slot (includes used) | **2x M.2 PCIe** |
| LAN | **N/A** |
| Wireless | **Wi-Fi 7(802.11be) (Triple band) 2*2 + Bluetooth® 6.0 Wireless Card (*Bluetooth® version may change with OS version different.)** |
| I/O Ports | **1x Thunderbolt™ 4 with support for DisplayPort™ / power delivery (data speed up to 40Gbps)**<br>**1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery / G-SYNC (data speed up to 10Gbps)**<br>**2x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps)**<br>**1x card reader (SD) (UHS-II, 312MB/s)** |
| Display output | **1x HDMI 2.1 FRL** |
| Camera | **1080P FHD IR Camera for Windows Hello** |
| Mic | **Built-in array microphone** |
| Keyboard Type | **Backlit Chiclet Keyboard 1-Zone RGB**<br>**With Copilot key**<br>***Copilot in Windows (in preview) is rolling out gradually within the latest update to Windows 11 in select global markets. Timing of availability varies by device and market. Learn more: https://www.microsoft.com/en-us/windows/copilot-ai-features?r=1#faq** |
| Aura Sync | **N/A** |
| Touchpad | **Touchpad**<br>**N/A** |
| Speakers | **4-speaker (dual-force woofer) system with Smart Amplifier Technology, 2 Tweeters** |
| Audio | **1x 3.5mm Combo Audio Jack**<br>**Built-in array microphone** |
| Audio Tech | **AI noise-canceling technology**<br>**Dolby Atmos**<br>**Smart Amp Technology** |
| Security | **BIOS Administrator Password and User Password Protection**<br>**Pluton Security Processor**<br>**Secured-core PC (Level 3)** |
| Antivirus | **McAfee® 30 days free trial** |
| Battery | **90WHrs, 4S1P, 4-cell Li-ion** |
| Fast charging | **Recharge from 0-50% in 30 minutes** |
| Power | **Rectangle Conn, 250W AC Adapter, Output: 20V DC, 12.5A, 250W, Input: 100-240V AC, 50/60Hz universal** |
| Required charging power | **Min: 45W**<br>**Max: 100W**<br>***The indicated wattage is for demonstrating the system's support capability as required by EU regulations. For optimal system performance, please use the standard-wattage adapter or higher.** |
| Xbox Game Pass | **Xbox Game Pass Premium_2 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Premium. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)** |
| Included in the Box | **ROG Zephyrus G16 Sleeve (2026)** |
| Ecolabels & Compliances | **N/A** |
| Reparability Index (for France) | **%.?** |