Model	GX651AX / 90NR0NT2-M00340
Marketing Name	ROG Zephyrus Duo 16
Operating System	Windows 11 Home
Office	1-month trial for new Microsoft 365 customers. Credit card required.
Exclusive subscription offers	3-Month Google AI Pro Subscription 6-Month Dropbox 500GB Subscription 1-Year ASUS Secure Auto-Backup 200GB Subscription *Available in eligible markets only. Eligibility varies by region, device, and time. Terms and conditions apply. See promotion pages for details.
Color	Stellar Grey
LCD cover-material	Texture plastic
Top case-material	Aluminum
Bottom case-material	Aluminum
Dimension (W x D x H)	35.5 x 24.7 x 1.99 ~ 2.49 cm (13.98" x 9.72" x 0.78" ~ 0.98")
Weight	2.82 Kg (6.22 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
Graphic	NVIDIA® GeForce RTX™ 5090 Laptop GPU
Graphic Memory	24GB GDDR7
Neural Processor	Intel® NPU up to 50TOPS
Panel Size	16-inch
Resolution	3K (2880 x 1800) OLED 16:10 aspect ratio
Refresh Rate	120Hz
Response Time (G2G)	0.2ms
Touch Screen	Touch Screen
Viewing Angle	85/85/85/85
Panel Tech	OLED
Brightness	1100nits

Contrast Ratio	1,000,000:1
DCI-P3 %	100%
Surface texture of display	Anti-reflection(AR) display
Adaptive-Sync technology	G-Sync
Pantone	Pantone Validated
Nebula Display	ROG Nebula HDR Display
Support Dolby Vision HDR	Yes
Stylus support	Yes
Thermal Feature	ROG intelligent cooling
On board memory	64GB LPDDR5X 8533 on board(Actual memory speeds may vary by CPU configuration.)
Total System Memory	LPDDR5X 64GB
Memory Slot	No expansion possible
Memory Max.	64GB
Multi-channel memory technology	Support dual channel memory technology
How to upgrade memory	Not Available
Storage	2TB 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 2TB M.2 NVMe™ PCIe® G5x4 Performance SSD 2TB M.2 NVMe™ PCIe® G4x4 Value SSD 1TB M.2 NVMe™ PCIe® G4x4 Value SSD
Expansion Slot (includes used)	2x M.2 PCIe
LAN	N/A
On board 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	2x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps) 2x Thunderbolt™ 4 with support for DisplayPort™ / power delivery (data speed up to 40Gbps) 1x card reader (SD) (UHS-II, 312MB/s)
XG Mobile supported	GC34
Display output	1x HDMI 2.1 FRL support HDMI switch
Camera	1080P FHD IR Camera for Windows Hello

Mic	Built-in array microphone
Keyboard Type	Backlit Chiclet Keyboard 1-Zone RGB With Copilot key *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	AURA SYNC function is only available when the laptop is connected via Pogo pin
Touchpad	N/A N/A
FingerPrint	N/A
Speakers	4-speaker (dual-force woofer) system with Smart Amplifier Technology, 2 Tweeters
Audio	1x 3.5mm Combo Audio Jack Built-in array microphone
Audio Tech	AI noise-canceling technology Smart Amp Technology Dolby Atmos
Security	Pluton Security Processor Trusted Platform Module (Firmware TPM) Secured-core PC (Level 3) BIOS Administrator Password and User Password Protection
Antivirus	N/A
Battery	90WHrs, 4S1P, 4-cell Li-ion
Fast charging	Recharge from 0-50% in 30 minutes
Charger included	Included
Power	Rectangle Conn, 250W AC Adapter, Output: 20V DC, 12.5A, 250W, Input: 100-240V AC, 50/60Hz universal
Required charging power	Min: 45W Max: 100W
Xbox Game Pass	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 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.)
Included in the Box	ROG Gladius III Mouse P514 TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal Backpack for Duo (2026) ROG Fusion II 300
Ecolabels & Compliances	ENERGY STAR®

Reparability Index (for France)	9.4