



Part No	90NR0CF1-M000F0
Model Name	GX650PZ-XS96
EAN Code	4711387051016
UPC Code	197105051010
Marketing Name	ROG Zephyrus Duo 16
Color	Black
Dimension (W x D x H)	35.5 x 26.6 x 2.05 ~ 2.97 cm
Weight	2.67 Kg
Processor	AMD Ryzen™ 9 7945HX Mobile Processor (16-core/32-thread, 64MB L3 cache, up to 5.4 GHz max boost)
Chipset	N/A
Discrete/Optimus	Optimus
Graphic	NVIDIA® GeForce RTX™ 4080 Laptop GPU
Graphic Wattage	ROG Boost: 2330 MHz* at 165W (2280MHz Boost Clock+50MHz OC, 140W+10W Dynamic Boost in Turbo Mode, 140W+25W in Manual Mode)
Graphic Memory	12GB GDDR6
IGPU	AMD Radeon™ Navi2 Graphics
Panel Size	16-inch
Resolution	QHD+ 16:10 (2560 x 1600, WQXGA)
Refresh Rate	240Hz
Response Time (G2G)	3ms
Viewing Angle	85/85/85/85
Panel Tech	Mini LED
Brightness	1100
Contrast	100000:1
DCI-P3 %	100
Anti glare	Anti-glare display
Adaptive-Sync technology	FreeSync Premium Pro
Pantone	Pantone Validated
Support Dolby Vision HDR	Yes
On board memory	N/A
DIMM Memory	16GB DDR5-4800 SO-DIMM *2
Total System Memory	DDR5 32GB
Memory Slot	2x SO-DIMM slots
Memory Max.	64GB
Multi-channel memory technology	Support dual channel memory
How to upgrade memory	Upgradable; dedicate Memory door on Bottom side

System Storage Installed	1TB PCIe® 4.0 NVMe™ M.2 Performance SSD
M.2 slots support either SATA or NVMe	2
M.2 SSD Support List	1. 2xPCIe*4 2. 512G / 1TB / 2TB/ 2TB+2TB (RAID 0)
Expansion Slot (includes used)	2x DDR5 SO-DIMM slots 2x PCIe
LAN	10/100/1000/2500 Mbps
Wi-Fi/Bluetooth	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.2 (*Bluetooth® version may change with OS version different.)
I/O Ports	1x 2.5G LAN port 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / G-SYNC 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC 2x USB 3.2 Gen 2 Type-A 1x card reader (microSD) (UHS-II, 312MB/s)
Display output	1x HDMI 2.1 FRL
Audio	1x 3.5mm Combo Audio Jack
Webcam	FHD 1080P@30FPS
Mic	Built-in 3-microphone array
Keyboard Type	Backlit Chiclet Keyboard Per-Key RGB
NumberPad	Support NumberPad
ScreenPad?	ScreenPad™ Plus (14" 3840 x 1100(4K) IPS-level Panel Support Stylus)
Aura Sync	Yes
Speakers	6-speaker(dual-force woofer) system with Smart Amplifier Technology
Audio Tech	AI noise-canceling technology Dolby Atmos Hi-Res certification Smart Amp Technology Support Microsoft Cortana near field/Far field
Operating System	Windows 11 Pro
Antivirus	N/A
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.)
Security	BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM)
Battery	90WHrs, 4S1P, 4-cell Li-ion
Power	ø6.0, 330W AC Adapter, Output: 19.5V DC, 16.9A, 330W, Input: 100~240C AC 50/60Hz universal
Bundled Peripherals	Palm rest

