

# Specification

Spec	GX650PY-NM010X 90NR0BI1-M000M0
Operating System	Windows 11 Pro
Processor	AMD Ryzen™ 9 7945HX Mobile Processor (16-core/32-thread, 64MB L3 cache, up to 5.4 GHz max boost)
Graphics	NVIDIA® GeForce RTX™ 4090 Laptop GPU, ROG Boost: 2090 MHz* at 175W (2040MHz Boost Clock+50MHz OC, 140W+15W Dynamic Boost in Turbo Mode, 150W+25W in Manual Mode), 16GB GDDR6
Display	16-inch, QHD+ 16:10 (2560 x 1600, WQXGA), Mini LED, Anti-glare display, DCI-P3:100, Refresh Rate:240Hz, Response Time:3ms, FreeSync Premium Pro, Pantone Validated, Optimus, Support Dolby Vision HDR :Yes
Additional Display	ScreenPad™ Plus (14" 3840 x 1100(4K) IPS-level Panel Support Stylus)
Memory	16GB DDR5-4800 SO-DIMM x 2, , Max Capacity:64GB, Support dual channel memory
Storage	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 / G-SYNC 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / G-SYNC 1x 2.5G LAN port
Keyboard and Touchpad	Backlit Chiclet Keyboard Per-Key RGB, Support NumberPad, Touchpad
Camera	1080P FHD camera Smart Amp Technology
Audio	Dolby Atmos AI noise-canceling technology Hi-Res certification (for headphone) Support Microsoft Cortana near field/far field Built-in 3-microphone array, 4-speaker (dual-force woofer) system with Smart Amplifier Technology, 2 Tweeters
Network and Communication	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)
Battery	90WHrs, 4S1P, 4-cell Li-ion
Power Supply	ø6.0, 330W AC Adapter, Output: 20V DC, 16.5A, 330W, Input: 100~240C AC 50/60Hz universal
AURA SYNC	Yes
Device Lighting	AAS Aura Sync Lighting
Weight	2.67 Kg (5.89 lbs)
Dimensions (W x D x H)	35.5 x 26.6 x 2.05 ~ 2.97 cm (13.98" x 10.47" x 0.81" ~ 1.17")
Microsoft Office	1-month trial for new Microsoft 365 customers. Credit card required.
Security	BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM)
Included in the Box	Palm rest
Boost OC	TBD
MKT Name	ROG Zephyrus Duo 16
Sub Series	GX650
Color Code	1A
Color	Black
SKU Image	1A_Backlit Chiclet Keyboard Per-Key RGB_Support NumberPad