

Part No
Model Name
EAN Code
UPC Code
Marketing Name
Color
Dimension (W x D x H)
Weight
Processor
Chipset
Discrete/Optimus
Graphic
Graphic Wattage
Graphic Memory
IGPU
Panel Size
Resolution
Refresh Rate
Response Time (G2G)
Viewing Angle
Panel Tech
Brightness
Contrast
DCI-P3 %
Anti glare
Adaptive-Sync technology
Pantone
Nebula Display
Support Dolby Vision HDR
Total System Memory
On board memory
Memory Slot
DIMM Memory
Memory Max.
System Storage Installed
M.2 slots support either SATA or NVMe
M.2 SSD Support List

How to upgrade memory
Expansion Slot (includes used)
LAN
Wi-Fi/Bluetooth
I/O Ports
Display output
Audio
Webcam
Mic
Keyboard Type
NumberPad
Aura Sync
Speakers
Audio Tech
Operating System
Antivirus
FingerPrint
Security
Battery
Power
Bundled Peripherals
Additional Accessories
Reparability Index (for FR)



**90NR08R1-M000W0
GU603ZX-K8031W**

**4711081585961
195553585965**

ROG Zephyrus M16

Off Black

35.5 x 24.3 x 1.99 ~ 1.99 cm

1.90 Kg

12th Gen Intel® Core™ i9-12900H Processor 2.5 GHz (24M Cache, up to 5.0 GHz, 14 cores: 6 P-cores and 8 E-cores)

TBD

MUX Switch + Optimus

NVIDIA® GeForce RTX™ 3080 Ti Laptop GPU

ROG Boost: 1175MHz* at 120W (1125MHz Boost Clock+50MHz OC, 100W+20W Dynamic Boost)

16GB GDDR6

Intel® UHD Graphics 630

16-inch

WQXGA (2560 x 1600) 16:10

165Hz

3ms

85/85/85/85

IPS-level

500nits

1200:1

100%

anti-glare display

Adaptive-Sync

Pantone Validated

ROG Nebula Display

Yes

16GB DDR5 on board + 16GB DDR5-4800 SO-DIMM

16GB DDR5 on board

1x SO-DIMM slot

16GB DDR5-4800 SO-DIMM

48GB

2TB M.2 NVMe™ PCIe® 4.0 Performance SSD

2

Performance PCIe G4x4

SSD M2 2280 P4X4 512G

SSD M2 2280 P4X4 1TB

SSD M2 2280 P4X4 2TB

Upgradable

1x DDR5 SO-DIMM slot

1x PCIe

10/100/1000/2500 Mbps

Wi-Fi 6E(802.11ax)+Bluetooth 5.2 (Dual band) 2*2

(*BT version may change with OS upgrades.)

1x RJ45 LAN port

1x Thunderbolt™ 4 support DisplayPort™ / power delivery

1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery

2x USB 3.2 Gen 2 Type-A

1x card reader (microSD) (UHS-II, 312MB/s)

1x HDMI 2.0b

1x 3.5mm Combo Audio Jack

720P HD IR Camera for Windows Hello

Built-in array microphone

Backlit Chiclet Keyboard RGB

N/A

N/A

2x 2W dual-force woofer with Smart Amp Technology

2x 2W tweeter

AI noise-canceling technology

Dolby Atmos

Hi-Res certification

Smart Amp Technology

Windows 11 Home

MCAFFEE_30D

N/A

BIOS Administrator Password and User Password Protection

Kensington Nano Security Slot™

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

ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240V AC 50/60Hz universal

ROG backpack

ROG Chakram Core mouse P511

TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal

7.2