



Part No	90NR04W1-M01020
Model Name	GU603HM-KR046R
EAN Code	4711081218159
UPC Code	195553218153
Marketing Name	ROG Zephyrus M16
Color	Off Black
Dimension (W x D x H)	35.5 x 24.3 x 1.99 ~ 1.99 cm
Weight	1.90 Kg
Processor	Intel® Core™ i9-11900H Processor 2.5 GHz (24M Cache, up to 4.9 GHz, 8 Cores)
Chipset	Mobile Intel® HM570 Express Chipsets
Discrete/Optimus	Optimus
Graphic	NVIDIA® GeForce RTX™ 3060 Laptop GPU
Graphic Wattage	With ROG Boost up to 1525MHz at 80W (95W with Dynamic Boost)
Graphic Memory	6GB GDDR6
IGPU	Intel® UHD Graphics 630
Panel Size	16-inch
Resolution	WUXGA (1920 x 1200) 16:10
Refresh Rate	144Hz
Response Time (G2G)	3ms
Viewing Angle	85/85/85/85
Panel Tech	IPS-level
Brightness	500nits
Contrast	1200:1
NTSC %	72.00%
SRGB %	100.00%
Adobe %	75.35%
Anti glare	anti-glare display
Adaptive-Sync technology	Adaptive-Sync
Pantone Validated	Yes
Total System Memory	16GB DDR4 on board + 16GB DDR4-3200 SO-DIMM
On board memory	16GB DDR4 on board
Memory Slot	1x SO-DIMM slot
DIMM Memory	16GB DDR4-3200 SO-DIMM
Memory Max.	48GB
System Storage Installed	1TB M.2 NVMe™ PCIe® 4.0 SSD
M.2 slots support either SATA or NVMe	2
M.2 SSD Support List	512GB / 1TB / 2TB M.2 NVMe PCIe 4.0 SSD

How to upgrade memory	Upgradable
Expansion Slot (includes used)	1x DDR4 SO-DIMM slot 2x PCIe
On board Wireless	N/A
LAN	10/100/1000 Mbps
Wi-Fi/Bluetooth	Wi-Fi 6(802.11ax)+Bluetooth 5.2 (Dual band) 2*2 (*BT version may change with OS upgrades.)
I/O Ports	1 x card reader (microSD) (UHS-II, 312MB/s) 1x RJ45 LAN port 1x Thunderbolt™ 4 support DisplayPort™ / power delivery 1x USB 3.2 Gen 1 Type-A 1x USB 3.2 Gen 2 Type-A 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery 1x card reader (microSD)/1x 3.5mm Combo Audio Jack
Thunderbolt	Thunderbolt™ 4
Display output	1x HDMI 2.0b
Webcam	720P HD camera
Mic	Built-in array microphone
Keyboard Type	Backlit Chiclet Keyboard RGB
NumberPad	N/A
Aura Sync	N/A
Speakers	2x 2W tweeter 4x 2W woofer with Smart Amp Technology
Audio Tech	AI mic noise-canceling Dolby Atmos Software Smart Amp Technology
Operating System	Windows 10 Pro - ASUS recommends Windows 10 Pro for business
Office	1-month trial for new Microsoft 365 customers. Credit card required.
FingerPrint	YES
Security	BIOS Administrator Password and User Password Protection Kensington Lock
Battery	90WHrs, 4S1P, 4-cell Li-ion
Power	ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240V AC 50/60Hz universal
Bundled Peripherals	ROG backpack for 15_17
Additional Accessories	TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal
Reparability Index (for FR)	7.3

