



Part No	90NR01N1-M00750
Model Name	G531GW-AZ051T
EAN Code	4718017333481
UPC Code	192876333488
A Part (lid)	1A-SCAR Gunmetal
B Part (bezel)	Black plastic
C Part (inside)	Black plastic IMR (NUMPAD)
D Part (bottom)	Black plastic / Material PC+ABS
Dimension	36.0(W) x 27.5(D) x 2.49 ~ 2.49(H) cm 14.19(W) x 10.83(D) x 0.98 ~ 0.98(H) inches
Weight	2.57 Kg 5.67 Lb
Processor	Intel® Core™ i7-9750H Processor 2.6GHz (12M Cache, up to 4.5GHz)
Chipset	Mobile Intel® HM370 Express Chipsets
Discrete/Optimus	Optimus
Graphic	NVIDIA® GeForce RTX™ 2070
Graphic Memory	GDDR6 8GB
IGPU	Intel UHD Graphics 630
Panel Size	15.6'
Resolution	FHD 1920x1080 16:9
Refresh Rate	240Hz
Response Time (G2G)	3ms
Viewing Angle	178
Panel Tech	IPS-level
Brightness	300nits
Contrast	1:1000
NTSC %	72%
SRGB %	100%
Adobe %	75.35%
Anti glare	Anti glare
Gsync	N/A
Pantone Validated	N/A
Total System Memory	DDR4 2666 16G *2
On board memory	N/A
Memory Slot	2x
DIMM Memory	DDR4 2666 16G *2
Memory Max.	32GB
System Storage Installed	PCIe NVMe 512G M.2 SSD SATA 1TB 5400RPM 2.5' Hybrid HDD (FireCuda)

M.2 slots support either SATA and NVMe	1
M.2 SSD Support List	M.2 256GB PCIe*2 SSD M.2 512GB PCIe*2 SSD M.2 1TB PCIe*2 SSD
LAN	10/100/1000 Mbps
Wi-Fi/Bluetooth	Wi-Fi 5(802.11ac) 2*2 + Bluetooth 5.0 (*BT version may change with OS upgrades.) -RangeBoost
I/O Ports	1x Type C 3.1 (Gen.2) 3x Type A 3.1 (Gen.1)//1x 3.5mm combo audio jack
Thunderbolt	N/A
Display output	1x HDMI 2.0b 1x TypeC (DP 1.4)
Webcam	Optional
Mic	Built-in array microphone
Keyboard Type	Illuminated Chiclet Keyboard Per-Key RGB
Aura Sync	Yes
Speakers	2x 4W with Smart AMP
Audio Tech	Smart Amp
Operating System	Windows 10 (64bit)
Security	BIOS Administrator Password and User Password Protection
Battery	66WHrs, 4S1P, 4-cell Li-ion
Power	ø6.0 230W AC Adapter Output: 19.5V DC, 11.8A, 230W Input: 100~240V AC. 50/60Hz universal
Bundled Peripherals	Marketing Giveaway (Keystone) ROG BACKPACK FOR 15

