



Part No	90NR0391-M01800
Model Name	G512LW-HN100T
EAN Code	4718017710756
UPC Code	192876710753
Marketing Name	ROG Strix G15
Color	Original Black
Dimension (W x D x H)	36.0 x 27.5 x 2.10 ~ 2.58 cm 14.17 x 10.83 x 0.83 ~ 1.02 inches
Weight	2.30 Kg 5.07 Lb
Processor	Intel® Core™ i7-10750H Processor 2.6 GHz (12M Cache, up to 5.0 GHz)
Chipset	Mobile Intel® HM470 Express Chipsets
Discrete/Optimus	Optimus
Graphic	NVIDIA® GeForce RTX™ 2070
Graphic Memory	8GB GDDR6
IGPU	Intel® UHD Graphics
Panel Size	15.6-inch
Resolution	FHD (1920 x 1080) 16:9
Refresh Rate	144Hz
Viewing Angle	170
Panel Tech	Value IPS-level
Brightness	250nits
Contrast	1:1000
NTSC %	45%
SRGB %	67%
Adobe %	50%
Anti glare	anti-glare display
Gsync	N/A
Pantone Validated	N/A
Total System Memory	16GB DDR4-3200 SO-DIMM(for i7-10875H/i9-10980HK) 16GB DDR4-2933 SO-DIMM(for i5-10300H/i7-10750H) *2
On board memory	N/A
Memory Slot	2x SO-DIMM slots
DIMM Memory	16GB DDR4-3200 SO-DIMM(for i7-10875H/i9-10980HK) 16GB DDR4-2933 SO-DIMM(for i5-10300H/i7-10750H) *2
Memory Max.	32GB
System Storage Installed	512GB M.2 NVMe™ PCIe® 3.0 SSD
M.2 slots support either SATA and NVMe	3
M.2 SSD Support List	M.2 512GB PCIe M.2 1TB PCIe
How to upgrade memory	Upgradable dedicate Memory door on Bottom side

LAN	10/100/1000 Mbps
Wi-Fi/Bluetooth	Intel Wi-Fi 6(Gig+)(802.11ax)+Bluetooth 5.1 (Dual band) 2*2 (*BT version may change with OS upgrades.) -RangeBoost
I/O Ports	3x USB 3.2 Gen 1 Type-A 1x Type C USB 3.2 Gen 2 with Display Port and G-Sync//1x 3.5mm combo audio jack
Thunderbolt	N/A
Display output	1x HDMI 2.0b
Webcam	Optional
Mic	Built-in array microphone
Keyboard Type	Backlit Chiclet Keyboard 4-Zone RGB
NumberPad	NumberPad
Aura Sync	Yes
Speakers	2x 4.2W speaker with smart AMP technology
Audio Tech	Smart Amp
Operating System	Windows 10 Home - ASUS recommends Windows 10 Pro for business
Office	1-month trial for new Microsoft 365 customers. Credit card required.
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	ROG backpack for 15