

ASUS ROG Strix Scar II GL504GV-ES020-GAMING Intel® Core™ i7 i7-8750H Laptop 39,6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA® GeForce RTX™ 2060 Wi-Fi 5 (802.11ac) FreeDOS Black

Brand : ASUS

Product family: ROG

Product code: GL504GV-ES020-GAMING

Product name : Scar II GL504GV-ES020-GAMING

Intel Core i7-8750H (2.2GHz, 9M Cache), 16GB RAM, 512 SSD, Intel UHD Graphics 630, NVIDIA GeForce RTX 2060, WLAN 802.11, Ethernet, FreeDos

ASUS ROG Strix Scar II GL504GV-ES020-GAMING. Product type: Laptop, Form factor: Clamshell.

Processor family: Intel® Core™ i7, Processor model: i7-8750H, Processor frequency: 2,2 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: FreeDOS. Product colour: Black



Design		Ports & interfaces	
Product type *	Laptop	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Product colour *	Black	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Form factor *	Clamshell	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Market positioning	Gaming	Ethernet LAN (RJ-45) ports	1
Display		HDMI ports quantity *	1
Display diagonal *	39,6 cm (15.6")	Mini DisplayPorts quantity	1
Display resolution *	1920 x 1080 pixels	Combo headphone/mic port	✓
Touchscreen *	✗	ExpressCard slot	✗
HD type	Full HD	SmartCard slot	✗
LED backlight	✓	Performance	
Native aspect ratio	16:9	Repairability index	5.2
Display surface	Matt	Keyboard	
Display response rise/fall	3 ms	Pointing device	Touchpad
Maximum refresh rate	144 Hz	Numeric keypad *	✓
Processor		Full-size keyboard	✓
Processor manufacturer *	Intel	Windows keys	✓
Processor family *	Intel® Core™ i7	Software	
Processor generation	8th gen Intel® Core™ i7	Operating system installed *	FreeDOS
Processor model *	i7-8750H	Processor special features	
Processor cores	6	Intel® My WiFi Technology (Intel® MWT)	✓
Processor threads	12	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor boost frequency	4,1 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor frequency *	2,2 GHz	Intel® Turbo Boost Technology	2.0
System bus rate	8 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor cache	9 MB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache type	Smart Cache		
Processor socket	BGA 1440		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Coffee Lake		
Bus type	DMI		
Stepping	U0		
Thermal Design Power (TDP)	45 W		

Processor		Processor special features	
Configurable TDP-down	35 W	Intel Clear Video Technology	✓
Configurable TDP-down frequency	1,7 GHz	Intel® InTru™ 3D Technology	✓
Tjunction	100 °C	Intel® Quick Sync Video Technology	✓
Maximum number of PCI Express lanes	16	Intel Flex Memory Access	✓
PCI Express slots version	3.0	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express configurations	1x16, 1x8+2x4, 2x8	Intel Trusted Execution Technology	✗
ECC supported by processor	✗	Intel Enhanced Halt State	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	16 GB	Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM	Intel TSX-NI	✗
Memory clock speed	2666 MHz	Intel Stable Image Platform Program (SIPP)	✗
Maximum internal memory *	32 GB	Intel® OS Guard	✓
Storage		Intel Software Guard Extensions (Intel SGX)	✓
Total storage capacity *	512 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Storage media *	SSD	Intel 64	✓
Number of SSDs installed	1	Execute Disable Bit	✓
SSD capacity	512 GB	Idle States	✓
Optical drive type *	✗	Thermal Monitoring Technologies	✓
Card reader integrated	✓	Processor package size	42 x 28 mm
Compatible memory cards	SD	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Graphics		Processor code	SR3YY
Discrete graphics card model *	NVIDIA® GeForce RTX™ 2060	CPU configuration (max)	1
Discrete graphics card memory	6 GB	Embedded options available	✗
Discrete graphics memory type	GDDR6	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card *	✓	Intel Identity Protection Technology version	1,00
Discrete graphics card *	✓	Intel Stable Image Platform Program (SIPP) version	0,00
On-board graphics card family	Intel® UHD Graphics	Intel Secure Key Technology version	1,00
On-board graphics card model *	Intel® UHD Graphics 630	Intel TSX-NI version	0,00
On-board graphics card base frequency	350 MHz	Intel Virtualization Technology (VT-x)	✓
On-board graphics card dynamic frequency (max)	1100 MHz	Processor ARK ID	134906
Maximum on-board graphics card memory	64 GB	Power	
On-board graphics card DirectX version	12.0	AC adapter power	180 W
On-board graphics card OpenGL version	4.5	Security	
On-board graphics card ID	0x3E9B	Cable lock slot	✓
Audio		Cable lock slot type	Kensington
Number of built-in speakers	2	Weight & dimensions	
Camera		Width	361 mm
Front camera	✓	Depth	262 mm
Network		Height (front)	2,56 cm
Wi-Fi	✓	Height (rear)	2,61 cm
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Weight *	2,4 kg
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Packaging content	
Antenna type	2x2	AC adapter included *	✓
Ethernet LAN	✓	Manual	✓
Bluetooth	✓	Warranty card	✓
Bluetooth version	5.0		



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