

ASUS ROG Strix GL504GW-ES043 laptop Intel® Core™ i7 i7-8750H 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA® GeForce RTX™ 2070 Wi-Fi 5 (802.11ac) Windows 10 Black

Brand : ASUS

Product family: ROG

Product code: GL504GW-ES043

Product name : GL504GW-ES043

Intel® Core™ i7-8750H, NVIDIA® GeForce RTX™ 2070 8GB GDDR6, 16GB 2666MHz, 512 GB SSD, 15.6" (1920x1080), 361 x 262 x 26.1 mm, 2.4 kg, Win10

ASUS ROG Strix GL504GW-ES043. 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: Windows 10. Product colour: Black



Design		Network	
Product type *	Laptop	Ethernet LAN data rates	10,100,1000 Mbit/s
Product colour *	Black	Bluetooth	✓
Form factor *	Clamshell	Bluetooth version	5.0
Market positioning	Gaming	Ports & interfaces	
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display diagonal *	39.6 cm (15.6")	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Display resolution *	1920 x 1080 pixels	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HD type	Full HD	Ethernet LAN (RJ-45) ports	1
Panel type	IPS	HDMI ports quantity *	1
LED backlight	✓	HDMI version	2.0b
Native aspect ratio	16:9	Mini DisplayPorts quantity	1
Dual-screen	✗	Combo headphone/mic port	✓
Display response rise/fall	3 ms	Performance	
Maximum refresh rate	144 Hz	Repairability index	5.2
NTSC coverage (typical)	72%	Keyboard	
Processor		Pointing device	Touchpad
Processor manufacturer *	Intel	Numeric keypad *	✓
Processor family *	Intel® Core™ i7	Keyboard backlit	✓
Processor generation	8th gen Intel® Core™ i7	Windows keys	✓
Processor model *	i7-8750H	Software	
Processor cores	6	Operating system installed *	Windows 10
Processor threads	12	Processor special features	
Processor boost frequency	4.1 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
Processor frequency *	2.2 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
System bus rate	8 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache	9 MB	Intel® Turbo Boost Technology	2.0
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		

Processor		Processor special features	
Thermal Design Power (TDP)	45 W	Enhanced Intel SpeedStep Technology	✓
Configurable TDP-down	35 W	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Configurable TDP-down frequency	1.7 GHz	Intel Clear Video Technology	✓
Tjunction	100 °C	Intel® InTru™ 3D Technology	✓
Maximum number of PCI Express lanes	16	Intel® Quick Sync Video Technology	✓
PCI Express slots version	3.0	Intel Flex Memory Access	✓
PCI Express configurations	1x16, 1x8+2x4, 2x8	Intel® AES New Instructions (Intel® AES-NI)	✓
ECC supported by processor	✗	Intel Trusted Execution Technology	✗
Memory		Intel Enhanced Halt State	✓
Internal memory *	16 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR4-SDRAM	Intel® Secure Key	✓
Memory clock speed	2666 MHz	Intel TSX-NI	✗
Maximum internal memory *	32 GB	Intel Stable Image Platform Program (SIPP)	✗
Storage		Intel® OS Guard	✓
Total storage capacity *	512 GB	Intel Software Guard Extensions (Intel SGX)	✓
Storage media *	SSD	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Total SSDs capacity	512 GB	Intel 64	✓
SSD interface	M.2, NVMe, PCI Express	Execute Disable Bit	✓
NVMe	✓	Idle States	✓
SSD form factor	M.2	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™ 2070	CPU configuration (max)	1
Discrete graphics card memory	8 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	230 W
On-board graphics card OpenGL version	4.5	DC-in jack	✓
On-board graphics card ID	0x3E9B	Security	
Number of discrete graphics cards installed	1	Cable lock slot	✓
Audio		Cable lock slot type	Kensington
Number of built-in speakers	2	Weight & dimensions	
Speaker power	1 W	Width	361 mm
Built-in microphone	✓	Depth	262 mm
Camera		Height	26.1 mm
Front camera	✓	Weight *	2.4 kg
Network		Packaging content	
Wi-Fi	✓	AC adapter included *	✓
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Antenna type	2x2		
Ethernet LAN	✓		



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