

## ASUS ROG Strix GL502VS-GZ118T laptop Intel® Core™ i7 i7-7700HQ 15.6" Full HD 8 GB DDR4-SDRAM 1.13 TB HDD+SSD NVIDIA® GeForce® GTX 1070 Wi-Fi 5 (802.11ac) Windows 10 Home Black



**Brand :** ASUS

**Product family:** ROG

**Article code:** GL502VS-GZ118T

**Product name :** GL502VS-  
GZ118T

Intel Core i7-7700HQ (6M Cache, 2.8GHz), 8GB DDR4, 1TB HDD + 128GB SSD, Intel HD Graphics 630, NVIDIA GeForce GTX 1070, Ethernet, WLAN 802.11, Windows 10

ASUS ROG Strix GL502VS-GZ118T. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-7700HQ, Processor frequency: 2.8 GHz. Display diagonal: 15.6", HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1.13 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® HD Graphics 630. Operating system installed: Windows 10 Home. Product color: Black

Design		Keyboard	
Product type *	Laptop	Windows keys	✓
Product color *	Black	<b>Software</b>	
Form factor *	Clamshell	Operating system installed *	Windows 10 Home
Market positioning	Gaming	<b>Processor special features</b>	
<b>Display</b>		Intel® Wireless Display (Intel® WiDi)	✓
Display diagonal *	15.6"	Intel® My WiFi Technology (Intel® MWT)	✓
Display resolution *	1920 x 1080 pixels	Intel® Smart Response Technology	✓
Touchscreen *	✗	Intel® Identity Protection Technology (Intel® IPT)	✓
HD type	Full HD	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
LED backlight	✓	Intel® Turbo Boost Technology	2.0
Native aspect ratio	16:9	Enhanced Intel SpeedStep Technology	✓
<b>Processor</b>		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor manufacturer *	Intel	Intel Clear Video Technology	✓
Processor family *	Intel® Core™ i7	Intel® InTru™ 3D Technology	✓
Processor generation	7th gen Intel® Core™ i7	Intel® Quick Sync Video Technology	✓
Processor model *	i7-7700HQ	Intel Flex Memory Access	✓
Processor cores	4	Intel® Smart Cache	✓
Processor threads	8	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor boost frequency	3.8 GHz	Intel Trusted Execution Technology	✗
Processor frequency *	2.8 GHz	Intel Enhanced Halt State	✓
System bus rate	8 GT/s	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache	6 MB	Intel® Secure Key	✓
Processor cache type	Smart Cache	Intel TSX-NI	✗
Processor lithography	14 nm	Intel Stable Image Platform Program (SIPP)	✗
Processor operating modes	64-bit	Intel® OS Guard	✓
Processor series	Intel Core i7-7700 Mobile Series		
Processor codename	Kaby Lake		
Bus type	DMI3		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	3.0		

<b>Processor</b>		<b>Processor special features</b>	
PCI Express configurations	1x16, 1x8, 2x4, 2x8	Intel Software Guard Extensions (Intel SGX)	✓
ECC supported by processor	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
<b>Memory</b>		Intel 64	✓
Internal memory *	8 GB	Execute Disable Bit	✓
Internal memory type	DDR4-SDRAM	Idle States	✓
Memory slots	2x SO-DIMM	Thermal Monitoring Technologies	✓
Maximum internal memory *	32 GB	Processor package size	42 x 28 mm
<b>Storage</b>		Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Total storage capacity *	1.13 TB	CPU configuration (max)	1
Storage media *	HDD+SSD	Embedded options available	✗
Number of HDDs installed	1	Graphics & IMC lithography	14 nm
HDD capacity	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	128 GB	Intel Identity Protection Technology version	1.00
Optical drive type *	✗	Intel Smart Response Technology version	1.00
Card reader integrated	✓	Intel Stable Image Platform Program (SIPP) version	0.00
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Secure Key Technology version	1.00
<b>Graphics</b>		Intel Small Business Advantage (SBA) version	1.00
Discrete graphics card model *	NVIDIA® GeForce® GTX 1070	Intel TSX-NI version	0.00
Discrete graphics card memory	8 GB	Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Processor ARK ID	97185
Discrete graphics card *	✓	Conflict-Free processor	✓
On-board graphics card model *	Intel® HD Graphics 630	<b>Battery</b>	
On-board graphics card base frequency	350 MHz	Number of battery cells	4
On-board graphics card dynamic frequency (max)	1100 MHz	Battery capacity *	62 Wh
Maximum on-board graphics card memory	64 GB	<b>Power</b>	
On-board graphics card DirectX version	12.0	AC adapter power	230 W
On-board graphics card OpenGL version	4.4	AC adapter frequency	50 - 60 Hz
On-board graphics card ID	0x591B	AC adapter input voltage	100 - 240 V
<b>Camera</b>		AC adapter output current	9.23 A
Front camera	✓	AC adapter output voltage	19.5 V
<b>Network</b>		DC-in jack	✓
Wi-Fi	✓	<b>Security</b>	
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Cable lock slot	✓
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Cable lock slot type	Kensington
Ethernet LAN	✓	Password protection	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Password protection type	BIOS, HDD, User
Bluetooth	✓	<b>Certificates</b>	
Bluetooth version	4.0	Compliance certificates	RoHS
<b>Ports &amp; interfaces</b>		Certification	UL, TUV, CE Marking Compliance, FCC Compliance, BSMI, Australia C-TICK / NZ A-Tick Compliance, CCC, GOST-R, CB, Energy star, WEEE, RoHS
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	<b>Sustainability</b>	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1	Sustainability certificates	ENERGY STAR
Ethernet LAN (RJ-45) ports	1	<b>Weight &amp; dimensions</b>	
HDMI ports quantity *	1	Width	15.4" (390 mm)
Mini DisplayPorts quantity	1	Depth	10.5" (266 mm)
DVI port	✗	Height	1.19" (30.1 mm)
Combo headphone/mic port	✓	Weight *	5.07 lbs (2.3 kg)
Docking connector	✗	<b>Performance</b>	
<b>Performance</b>		Motherboard chipset	Intel® HM175
Motherboard chipset	Intel® HM175	Repairability index	5.2
Repairability index	5.2		

## Keyboard

Pointing device	Touchpad
Numeric keypad *	✓
Full-size keyboard	✓

## Catalog Object Cloud



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