

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

Processor		Processor special features	
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)	✓
Memory		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
Storage		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
Graphics		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	Battery	
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	Power	
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
Camera		AC adapter output current	9.23 A
Front camera	✓	AC adapter output voltage	19.5 V
Network		DC-in jack	✓
Wi-Fi	✓	Security	
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	✓	Certificates	
Bluetooth version	4.0	Compliance certificates	RoHS
Ports & interfaces		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	Sustainability	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1	Sustainability certificates	ENERGY STAR
Ethernet LAN (RJ-45) ports	1	Weight & dimensions	
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	✗		
Performance			
Motherboard chipset	Intel® HM175		
Repairability index	5.2		

Keyboard

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

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.