

**ASUS ROG Strix GL502VS-DB71 laptop Intel® Core™ i7 i7-6700HQ
39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 1.26 TB HDD+SSD
NVIDIA® GeForce® GTX 1070 Windows 10 Home Black**



Brand : ASUS

Product family: ROG

Product code: GL502VS-DB71

Product name : GL502VS-DB71

Intel Core i7-6700HQ (6M Cache, 2.6GHz), Intel HD Graphics 530, NVIDIA GeForce GTX 1070, 16GB DDR4, 1TB HDD + 256GB SSD, Ethernet, WLAN 802.11 ac, Windows 10
ASUS ROG Strix GL502VS-DB71. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-6700HQ, Processor frequency: 2.6 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: 1.26 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® HD Graphics 530. Operating system installed: Windows 10 Home. Product colour: Black

Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product colour *	Black	Numeric keypad *	✓
Form factor *	Clamshell	Full-size keyboard	✓
Market positioning	Gaming	Windows keys	✓
Display		Software	
Display diagonal *	39.6 cm (15.6")	Operating system architecture	64-bit
Display resolution *	1920 x 1080 pixels	Operating system installed *	Windows 10 Home
Touchscreen *	✗	Processor special features	
HD type	Full HD	Intel® Wireless Display (Intel® WiDi)	✓
LED backlight	✓	Intel® My WiFi Technology (Intel® MWT)	✓
Native aspect ratio	16:9	Intel® Smart Response Technology	✓
Display surface	Matt	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	2.0
Processor family *	Intel® Core™ i7	Intel® Small Business Advantage (Intel® SBA)	✓
Processor generation	6th gen Intel® Core™ i7	Enhanced Intel SpeedStep Technology	✓
Processor model *	i7-6700HQ	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cores	4	Intel Clear Video Technology	✓
Processor threads	8	Intel® InTru™ 3D Technology	✓
Processor boost frequency	3.5 GHz	Intel® Insider™	✓
Processor frequency *	2.6 GHz	Intel® Quick Sync Video Technology	✓
System bus rate	8 GT/s	Intel Flex Memory Access	✓
Processor cache	6 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	Smart Cache	Intel Trusted Execution Technology	✗
Processor socket	BGA 1440	Intel Enhanced Halt State	✓
Processor lithography	14 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes	64-bit		
Processor series	Intel Core i7-6700 Mobile series		
Processor codename	Skylake		
Bus type	DMI3		
Stepping	R0		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Tjunction	100 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel® Secure Key	✓
PCI Express slots version	3.0	Intel TSX-NI	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Stable Image Platform Program (SIPP)	✗
ECC supported by processor	✗	Intel® OS Guard	✓
Memory		Intel Software Guard Extensions (Intel SGX)	✓
Internal memory *	16 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Internal memory type	DDR4-SDRAM	Intel 64	✓
Memory clock speed	2133 MHz	Execute Disable Bit	✓
Memory form factor	SO-DIMM	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	SSE4.1, SSE4.2, AVX 2.0
Total storage capacity *	1.26 TB	Processor code	SR2FQ
Storage media *	HDD+SSD	CPU configuration (max)	1
Number of HDDs installed	1	Embedded options available	✗
HDD capacity	1 TB	Graphics & IMC lithography	14 nm
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	256 GB	Intel Identity Protection Technology version	1.00
SSD interface	SATA III	Intel Smart Response Technology version	1.00
SSD form factor	M.2	Intel Stable Image Platform Program (SIPP) version	0.00
Optical drive type *	✗	Intel Secure Key Technology version	1.00
Card reader integrated	✓	Intel Small Business Advantage (SBA) version	1.00
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel TSX-NI version	1.00
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete graphics card model *	NVIDIA® GeForce® GTX 1070	Processor ARK ID	88967
Discrete graphics card memory	8 GB	Conflict-Free processor	✓
Discrete graphics memory type	GDDR5	Battery	
On-board graphics card *	✓	Battery technology	Lithium Polymer (LiPo)
Discrete graphics card *	✓	Number of battery cells	4
On-board graphics card family	Intel® HD Graphics	Battery capacity *	62 Wh
On-board graphics card model *	Intel® HD Graphics 530	Power	
On-board graphics card base frequency	350 MHz	AC adapter power	180 W
On-board graphics card dynamic frequency (max)	1050 MHz	AC adapter frequency	50 - 60 Hz
Maximum on-board graphics card memory	1.7 GB	AC adapter input voltage	100 - 240 V
On-board graphics card DirectX version	12.0	AC adapter output voltage	19.5 V
On-board graphics card OpenGL version	4.4	DC-in jack	✓
On-board graphics card ID	0x191B	Security	
Audio		Cable lock slot	✓
Built-in microphone	✓	Cable lock slot type	Kensington
Camera		Password protection	✓
Front camera	✓	Password protection type	BIOS, HDD, User
Network		Certificates	
Wi-Fi	✓	Compliance certificates	RoHS
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Certification	UL, TUV, CE Marking Compliance, FCC Compliance, BSMI, Australia C-TICK / NZ A-Tick Compliance, CCC, GOST-R, CB, Energy star, WEEE, RoHS
Ethernet LAN	✓	Sustainability	
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability certificates	ENERGY STAR
Bluetooth	✓		
Bluetooth version	4.1		
Ports & interfaces			
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3		

Ports & interfaces		Weight & dimensions	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1	Width	390 mm
Ethernet LAN (RJ-45) ports	1	Depth	266 mm
HDMI ports quantity *	1	Height	30.1 mm
Mini DisplayPorts quantity	1	Weight *	2.34 kg
DVI port	✗		
Combo headphone/mic port	✓		
Docking connector	✗		
Performance			
Motherboard chipset	Intel® HM170		
Repairability index	5.2		

Catalog Object Cloud



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