

ASUS ROG Strix GL553VD-FY019D laptop Intel® Core™ i7 i7-7700HQ 39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 1.13 TB HDD+SSD NVIDIA® GeForce® GTX 1050 FreeDOS Black

Brand : ASUS

Product family: ROG

Product code: GL553VD-FY019D

Product name : GL553VD-FY019D

Intel Core i7-7700HQ (2.8GHz, 6M Cache), 8GB DDR4, 1000GB HDD, 128GB SSD, Intel HD Graphics 630 + NVIDIA GeForce GTX 1050, Ethernet, WLAN 802.11, WebCam, Free DOS
ASUS ROG Strix GL553VD-FY019D. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-7700HQ, Processor frequency: 2.8 GHz. Display diagonal: 39.6 cm (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: FreeDOS. Product colour: Black



Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product colour *	Black	Numeric keypad *	✓
Form factor *	Clamshell	Keyboard backlight	✓
Market positioning	Gaming	Full-size keyboard	✓
Display		Windows keys	✓
Display diagonal *	39.6 cm (15.6")	Software	
Display resolution *	1920 x 1080 pixels	Operating system installed *	FreeDOS
Touchscreen *	✗	Processor special features	
HD type	Full HD	Intel Wireless Display (WiDi) Technology	✓
LED backlight	✓	Intel My WiFi Technology	✓
Native aspect ratio	16:9	Intel® Smart Response Technology	✓
Processor		Intel Identity Protection Technology	✓
Processor manufacturer *	Intel	Intel Hyper-Threading Technology	✓
Processor family *	Intel® Core™ i7	Intel Turbo Boost Technology	2.0
Processor generation	7th gen Intel® Core™ i7	Enhanced Intel SpeedStep Technology	✓
Processor *	i7-7700HQ	Intel Clear Video HD Technology	✓
Processor number of cores	4	Intel Clear Video Technology	✓
Processor threads	8	Intel® InTru™ 3D Technology	✓
Processor boost frequency	3.8 GHz	Intel® Quick Sync Video Technology	✓
Processor frequency *	2.8 GHz	Intel Flex Memory Access	✓
System bus data transfer rate	8 GT/s	Intel® Smart Cache	✓
Processor cache	6 MB	Intel AES New Instructions	✓
Processor cache type	Smart Cache	Intel Trusted Execution Technology	✗
Processor lithography	14 nm	Intel Enhanced Halt State	✓
Processor operating modes	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor series	Intel Core i7-7700 Mobile Series	Intel® Secure Key	✓
Processor codename	Kaby Lake		
Bus type	DMI3		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		

Processor		Processor special features	
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	✓
PCI Express configurations	1x16, 1x8, 2x4, 2x8	Intel Software Guard Extensions (Intel SGX)	✓
ECC supported by processor	✗	Intel Clear Video Technology for MID	✓
Memory		Intel 64	✓
Internal memory *	8 GB	Execute Disable Bit	✓
Internal memory type	DDR4-SDRAM	Idle States	✓
Memory, maximum *	32 GB	Thermal Monitoring Technologies	✓
Storage		Processor package size	42 x 28 mm
Total storage capacity *	1.13 TB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage media *	HDD+SSD	CPU configuration (max)	1
Number of HDDs installed	1	Embedded options available	✗
Hard drive capacity	1 TB	Graphics & IMC lithography	14 nm
Solid-state drive capacity	128 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Card reader integrated	✓	Intel Identity Protection Technology version	1.00
Compatible memory cards	SD, MMC	Intel Smart Response Technology version	1.00
Graphics		Intel Stable Image Platform Program (SIPP) version	0.00
Discrete graphics card model *	NVIDIA® GeForce® GTX 1050	Intel Secure Key Technology version	1.00
On-board graphics card *	✓	Intel Small Business Advantage (SBA) version	1.00
Discrete graphics card *	✓	Intel TSX-NI version	0.00
On-board graphics card model *	Intel® HD Graphics 630	Intel Virtualization Technology (VT-x)	✓
On-board graphics card base frequency	350 MHz	Processor ARK ID	97185
On-board graphics card dynamic frequency (max)	1100 MHz	Conflict-Free processor	✓
Maximum on-board graphics card memory	64 GB	Battery	
On-board graphics card DirectX version	12.0	Number of battery cells	4
On-board graphics card OpenGL version	4.4	Battery capacity *	48 Wh
On-board graphics card ID	0x591B	Power	
Audio		AC adapter power	120 W
Built-in microphone	✓	AC adapter frequency	50 - 60 Hz
Camera		AC adapter output current	6.3 A
Front camera	✓	AC adapter output voltage	19 V
Network		DC-in jack	✓
Wi-Fi	✓	Weight & dimensions	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Width	383 mm
Ethernet LAN connection	✓	Depth	255 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Height	30 mm
Bluetooth	✓	Weight *	2.5 kg
Bluetooth version	4.0	Packaging content	
Ports & interfaces		AC adapter included *	✓
USB 2.0 ports quantity *	1	Manual	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Power cord included	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Other features	
Ethernet LAN (RJ-45) ports	1	Maximum internal memory (64-bit)	32 GB
HDMI ports quantity *	1		
DVI port	✗		
Combo headphone/mic port	✓		
Docking connector	✗		

Performance

Repairability index	5.2
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