ASUS

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

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Market positioning	Gaming

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✘
HD type	Full HD
LED backlight	✔
Native aspect ratio	16:9

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	7th gen Intel® Core™ i7
Processor *	i7-7700HQ
Processor number of cores	4
Processor threads	8
Processor boost frequency	3.8 GHz
Processor frequency *	2.8 GHz
System bus data transfer rate	8 GT/s
Processor cache	6 MB
Processor cache type	Smart Cache
Processor lithography	14 nm
Processor operating modes	64-bit
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

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Full-size keyboard	✔
Windows keys	✔

Software

Operating system installed *	FreeDOS

Processor special features

Intel Wireless Display (WiDi) Technology	✔
Intel My WiFi Technology	✔
Intel® Smart Response Technology	✔
Intel Identity Protection Technology	✔
Intel Hyper-Threading Technology	✔
Intel Turbo Boost Technology	2.0
Enhanced Intel SpeedStep Technology	✔
Intel Clear Video HD Technology	✔
Intel Clear Video Technology	✔
Intel® InTru™ 3D Technology	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔
Intel® Smart Cache	✔
Intel AES New Instructions	✔
Intel Trusted Execution Technology	✘
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔

Processor

Tjunction	100 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x16, 1x8, 2x4, 2x8
ECC supported by processor	✘

Memory

Internal memory *	8 GB
Internal memory type	DDR4-SDRAM
Memory, maximum *	32 GB

Storage

Total storage capacity *	1.13 TB
Storage media *	HDD+SSD
Number of HDDs installed	1
Hard drive capacity	1 TB
Solid-state drive capacity	128 GB
Card reader integrated	✔
Compatible memory cards	SD, MMC

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GTX 1050
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card model *	Intel® HD Graphics 630
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
Maximum on-board graphics card memory	64 GB
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.4
On-board graphics card ID	0x591B

Audio

Built-in microphone	✔

Camera

Front camera	✔

Network

Wi-Fi	✔
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN connection	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	4.0

Ports & interfaces

USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
DVI port	✘
Combo headphone/mic port	✔
Docking connector	✘

Processor special features

Intel TSX-NI	✘
Intel Stable Image Platform Program (SIPP)	✘
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel Clear Video Technology for MID	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	42 x 28 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
CPU configuration (max)	1
Embedded options available	✘
Graphics & IMC lithography	14 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Smart Response Technology version	1.00
Intel Stable Image Platform Program (SIPP) version	0.00
Intel Secure Key Technology version	1.00
Intel Small Business Advantage (SBA) version	1.00
Intel TSX-NI version	0.00
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	97185
Conflict-Free processor	✔

Battery

Number of battery cells	4
Battery capacity *	48 Wh

Power

AC adapter power	120 W
AC adapter frequency	50 - 60 Hz
AC adapter output current	6.3 A
AC adapter output voltage	19 V
DC-in jack	✔

Weight & dimensions

Width	383 mm
Depth	255 mm
Height	30 mm
Weight *	2.5 kg

Packaging content

AC adapter included *	✔
Manual	✔
Power cord included	✔

Other features

Maximum internal memory (64-bit)	32 GB

Performance	
Repairability index	5.2

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