



**MSI Gaming GS63VR 7RF-633ES Stealth Pro Intel® Core™ i7  
i7-7700HQ Laptop 39,6 cm (15.6") 4K Ultra HD 16 GB DDR4-  
SDRAM 1,51 TB HDD+SSD NVIDIA® GeForce® GTX 1060 Wi-Fi 5  
(802.11ac) Windows 10 Home Black**



**Brand :** MSI

**Product family:** Gaming

**Article code:** 9S7-16K212-633

**Product name :** GS63VR  
7RF-633ES Stealth Pro

MSI Gaming GS63VR 7RF-633ES Stealth Pro. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-7700HQ, Processor frequency: 2,8 GHz. Display diagonal: 39,6 cm (15.6"), HD type: 4K Ultra HD, Display resolution: 3840 x 2160 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1,51 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® HD Graphics 630. Operating system installed: Windows 10 Home. Product color: Black

Design		Ports & interfaces	
Product type *	Laptop	Ethernet LAN (RJ-45) ports	1
Product color *	Black	HDMI ports quantity *	1
Form factor *	Clamshell	Mini DisplayPorts quantity	1
Market positioning	Gaming	DVI port	✗
Display		Headphone outputs	1
Display diagonal *	39,6 cm (15.6")	Microphone in	✓
Display resolution *	3840 x 2160 pixels	Docking connector	✗
Touchscreen *	✗	Performance	
HD type	4K Ultra HD	Virtual Reality (VR) ready	✓
LED backlight	✓	Keyboard	
Native aspect ratio	16:9	Pointing device	Touchpad
Dual-screen	✗	Numeric keypad *	✓
Processor		Keyboard backlit	✓
Processor manufacturer *	Intel	Windows keys	✓
Processor family *	Intel® Core™ i7	Software	
Processor generation	7th gen Intel® Core™ i7	Operating system architecture	64-bit
Processor model *	i7-7700HQ	Operating system installed *	Windows 10 Home
Processor cores	4	Processor special features	
Processor threads	8	Intel® Wireless Display (Intel® WiDi)	✓
Processor boost frequency	3,8 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
Processor frequency *	2,8 GHz	Intel® Smart Response Technology	✓
System bus rate	8 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cache	6 MB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache type	Smart Cache	Intel® Turbo Boost Technology	2.0
Processor lithography	14 nm	Enhanced Intel SpeedStep Technology	✓
Processor operating modes	64-bit	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor series	Intel Core i7-7700 Mobile Series	Intel Clear Video Technology	✓
Processor codename	Kaby Lake	Intel® InTru™ 3D Technology	✓
Bus type	DMI3	Intel® Quick Sync Video Technology	✓
Thermal Design Power (TDP)	45 W	Intel Flex Memory Access	✓
Configurable TDP-down	35 W		
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		Processor special features	
Internal memory *	16 GB	Intel® Smart Cache	✓
Internal memory type	DDR4-SDRAM	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory clock speed	2400 MHz	Intel Trusted Execution Technology	✗
Memory form factor	SO-DIMM	Intel Enhanced Halt State	✓
Memory slots	2x SO-DIMM	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum internal memory *	32 GB	Intel® Secure Key	✓
Storage		Intel TSX-NI	✗
Total storage capacity *	1,51 TB	Intel Stable Image Platform Program (SIPP)	✗
Storage media *	HDD+SSD	Intel® OS Guard	✓
Number of HDDs installed	1	Intel Software Guard Extensions (Intel SGX)	✓
HDD capacity	1 TB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
SSD capacity	512 GB	Intel 64	✓
Optical drive type *	✗	Execute Disable Bit	✓
Card reader integrated	✓	Idle States	✓
Compatible memory cards	SD, SDHC, SDXC	Thermal Monitoring Technologies	✓
Graphics		Processor package size	42 x 28 mm
Discrete graphics card model *	NVIDIA® GeForce® GTX 1060	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Discrete graphics card memory	6 GB	CPU configuration (max)	1
Discrete graphics memory type	GDDR5	Embedded options available	✗
On-board graphics card *	✓	Graphics & IMC lithography	14 nm
Discrete graphics card *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card model *	Intel® HD Graphics 630	Intel Identity Protection Technology version	1,00
On-board graphics card base frequency	350 MHz	Intel Smart Response Technology version	1,00
On-board graphics card dynamic frequency (max)	1100 MHz	Intel Stable Image Platform Program (SIPP) version	0,00
Maximum on-board graphics card memory	64 GB	Intel Secure Key Technology version	1,00
On-board graphics card DirectX version	12.0	Intel Small Business Advantage (SBA) version	1,00
On-board graphics card OpenGL version	4.4	Intel TSX-NI version	0,00
On-board graphics card ID	0x591B	Intel Virtualization Technology (VT-x)	✓
Number of discrete graphics cards installed	1	Processor ARK ID	97185
NVIDIA G-SYNC	✓	Conflict-Free processor	✓
NVIDIA GameWorks VR	✓	Battery	
CUDA	✓	Battery technology	Lithium Polymer (LiPo)
NVIDIA 3D Vision	✓	Number of battery cells	3
Audio		Battery capacity *	65 Wh
Number of built-in speakers	2	Power	
Speaker power	4 W	AC adapter power	180 W
Built-in microphone	✓	AC adapter frequency	50 - 60 Hz
Camera		DC-in jack	✓
Front camera	✓	Weight & dimensions	
Front camera resolution	1280 x 720 pixels	Width	380 mm
Video capturing speed	30 fps	Depth	249 mm
Network		Height	17,7 mm
Wi-Fi	✓	Weight *	1,8 kg
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Packaging content	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	AC adapter included *	✓
Ethernet LAN	✓	Manual	✓
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Bluetooth version	4.1		

Ports & interfaces		Other features	
USB 2.0 ports quantity *	1	3D	×
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3		
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1		

## Catalog Object Cloud



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