

MSI Gaming GS63VR 7RF(Stealth Pro)-258CN Intel® Core™ i7 i7-7700HQ Laptop 39,6 cm (15.6") Full HD kalitesi 16 GB DDR4-SDRAM 1,13 TB HDD+SSD NVIDIA® GeForce® GTX 1060 Wi-Fi 5 (802.11ac) Windows 10 Home Siyah

Marka : MSI

Ürün ailesi: Gaming

Ürün kodu: GS63VR
7RF-258CN

Ürün Adı : GS63VR 7RF(Stealth Pro)-258CN



MSI Gaming GS63VR 7RF(Stealth Pro)-258CN. Ürün tipi: Laptop, Form faktörü: Kapaklı. İşlemci ailesi: Intel® Core™ i7, İşlemci: i7-7700HQ, İşlemci frekansı: 2,8 GHz. Ekran boyutu: 39,6 cm (15.6"), HD türü: Full HD kalitesi, Ekran çözünürlüğü: 1920 x 1080 Piksel. RAM: 16 GB, Dahili hafıza tipi: DDR4-SDRAM. Toplam depolama kapasitesi: 1,13 TB, Depolama ortamı: HDD+SSD. On-board grafik adaptör modeli: Intel® HD Graphics 630. İşletim sistemi yazılımı: Windows 10 Home. Ürün rengi: Siyah

Design		Ports & interfaces	
Product type *	Laptop	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Product colour *	Black	Ethernet LAN (RJ-45) ports	1
Form factor *	Clamshell	HDMI ports quantity *	1
Market positioning	Gaming	Mini DisplayPorts quantity	1
Display		DVI port	✗
Display diagonal *	39.6 cm (15.6")	Headphone outputs	1
Display resolution *	1920 x 1080 pixels	Microphone in	✓
Touchscreen *	✗	Docking connector	✗
HD type	Full HD	Performance	
LED backlight	✓	Virtual Reality (VR) ready	✓
Native aspect ratio	16:9	Keyboard	
Dual-screen	✗	Pointing device	Touchpad
Processor		Numeric keypad *	✓
Processor manufacturer *	Intel	Keyboard backlit	✓
Processor family *	Intel® Core™ i7	Windows keys	✓
Processor generation	7th gen Intel® Core™ i7	Software	
Processor model *	i7-7700HQ	Operating system architecture	64-bit
Processor cores	4	Operating system installed *	Windows 10 Home
Processor threads	8	Processor special features	
Processor boost frequency	3.8 GHz	Intel® Wireless Display (Intel® WiDi)	✓
Processor frequency *	2.8 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
System bus rate	8 GT/s	Intel® Smart Response Technology	✓
Processor cache	6 MB	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cache type	Smart Cache	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor lithography	14 nm	Intel® Turbo Boost Technology	2.0
Processor operating modes	64-bit	Enhanced Intel SpeedStep Technology	✓
Processor series	Intel Core i7-7700 Mobile Series	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor codename	Kaby Lake		
Bus type	DMI3		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	3.0		

Processor		Processor special features	
PCI Express configurations	1x16, 1x8, 2x4, 2x8	Intel Clear Video Technology	✓
ECC supported by processor	✗	Intel® InTru™ 3D Technology	✓
Memory		Intel® Quick Sync Video Technology	✓
Internal memory *	16 GB	Intel Flex Memory Access	✓
Internal memory type	DDR4-SDRAM	Intel® Smart Cache	✓
Memory clock speed	2400 MHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory form factor	SO-DIMM	Intel Trusted Execution Technology	✗
Memory slots	2x SO-DIMM	Intel Enhanced Halt State	✓
Maximum internal memory *	32 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Storage		Intel® Secure Key	✓
Total storage capacity *	1.13 TB	Intel TSX-NI	✗
Storage media *	HDD+SSD	Intel Stable Image Platform Program (SIPP)	✗
Number of HDDs installed	1	Intel® OS Guard	✓
HDD capacity	1 TB	Intel Software Guard Extensions (Intel SGX)	✓
SSD capacity	128 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Optical drive type *	✗	Intel 64	✓
Card reader integrated	✓	Execute Disable Bit	✓
Compatible memory cards	SD, SDHC, SDXC	Idle States	✓
Graphics		Thermal Monitoring Technologies	✓
Discrete graphics card model *	NVIDIA® GeForce® GTX 1060	Processor package size	42 x 28 mm
Discrete graphics card memory	6 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Discrete graphics memory type	GDDR5	CPU configuration (max)	1
On-board graphics card *	✓	Embedded options available	✗
Discrete graphics card *	✓	Graphics & IMC lithography	14 nm
On-board graphics card family	Intel® HD Graphics	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)		
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Ethernet LAN	✓		

Network		Packaging content	
Ethernet LAN data rates	10,100,1000 Mbit/s	AC adapter included *	✓
Bluetooth	✓	Manual	✓
Bluetooth version	4.1	Other features	
Ports & interfaces		3D	✗
USB 2.0 ports quantity *	1		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3		

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