



MSI Gaming GL63 8SE-060NE laptops/portatīvais dators Intel® Core™ i7 i7-8750H 39,6 cm (15.6") Full HD 8 GB DDR4-SDRAM 512 GB SSD NVIDIA® GeForce RTX™ 2060 Wi-Fi 5 (802.11ac) Windows 10 Home Melns

Zīmols : MSI

Preču ģimene: Gaming

Preces kods: GL63 8SE-060NE

Modeļa nosaukums : GL63 8SE-060NE

MSI Gaming GL63 8SE-060NE. Produkta veids: Portatīvais dators, Formas faktors: Gliemežvāks. Procesora tips: Intel® Core™ i7, Procesora modelis: i7-8750H, Procesora frekvence: 2,2 GHz. Displeja diagonāle: 39,6 cm (15.6"), HD veids: Full HD, Ekrāna izšķirtspēja: 1920 x 1080 pikseli. Iekšējā atmiņa: 8 GB, Iekšējās atmiņas tips: DDR4-SDRAM. Kopējā glabāšanas ietilpība: 512 GB, Uzglabāšanas nesējs: SSD. Integrēts grafikas adaptera modelis: Intel® UHD Graphics 630. Nodrošināta operētājsistēma: Windows 10 Home. Produkta krāsa: Melns



Design		Network	
Product type *	Laptop	Bluetooth	✓
Product colour *	Black	Ports & interfaces	
Form factor *	Clamshell	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Market positioning	Gaming	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Display		USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display diagonal *	39.6 cm (15.6")	Ethernet LAN (RJ-45) ports	1
Display resolution *	1920 x 1080 pixels	HDMI ports quantity *	1
Touchscreen *	✗	Mini DisplayPorts quantity	1
HD type	Full HD	Headphone outputs	1
LED backlight	✓	Microphone in	✓
Native aspect ratio	16:9	Performance	
Dual-screen	✗	Motherboard chipset	Intel® HM370
Processor		Keyboard	
Processor manufacturer *	Intel	Pointing device	Touchpad
Processor family *	Intel® Core™ i7	Numeric keypad *	✓
Processor generation	8th gen Intel® Core™ i7	Keyboard backlight	✓
Processor model *	i7-8750H	Keyboard backlight colour	Red
Processor cores	6	Windows keys	✓
Processor threads	12	Software	
Processor boost frequency	4.1 GHz	Operating system architecture	64-bit
Processor frequency *	2.2 GHz	Operating system installed *	Windows 10 Home
System bus rate	8 GT/s	Processor special features	
Processor cache	9 MB	Intel® My WiFi Technology (Intel® MWT)	✓
Processor cache type	Smart Cache	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor socket	BGA 1440	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Coffee Lake		
Bus type	DMI		
Stepping	U0		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		

Processor		Processor special features	
Configurable TDP-down frequency	1.7 GHz	Intel® Turbo Boost Technology	2.0
Tjunction	100 °C	Enhanced Intel SpeedStep Technology	✓
Maximum number of PCI Express lanes	16	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
PCI Express slots version	3.0	Intel Clear Video Technology	✓
PCI Express configurations	1x16, 1x8+2x4, 2x8	Intel® InTru™ 3D Technology	✓
ECC supported by processor	✗	Intel® Quick Sync Video Technology	✓
Memory		Intel Flex Memory Access	✓
Internal memory *	8 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Internal memory type	DDR4-SDRAM	Intel Trusted Execution Technology	✗
Memory clock speed	2666 MHz	Intel Enhanced Halt State	✓
Memory form factor	SO-DIMM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	2x SO-DIMM	Intel® Secure Key	✓
Maximum internal memory *	32 GB	Intel TSX-NI	✗
Storage		Intel Stable Image Platform Program (SIPP)	✗
Total storage capacity *	512 GB	Intel® OS Guard	✓
Storage media *	SSD	Intel Software Guard Extensions (Intel SGX)	✓
Total SSDs capacity	512 GB	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 RTX™ 2060	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Discrete graphics card memory	6 GB	Processor code	SR3YY
Discrete graphics memory type	GDDR6	CPU configuration (max)	1
On-board graphics card *	✓	Embedded options available	✗
Discrete graphics card *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card family	Intel® UHD Graphics	Intel Identity Protection Technology version	1.00
On-board graphics card model *	Intel® UHD Graphics 630	Intel Stable Image Platform Program (SIPP) version	0.00
On-board graphics card base frequency	350 MHz	Intel Secure Key Technology version	1.00
On-board graphics card dynamic frequency (max)	1100 MHz	Intel TSX-NI version	0.00
Maximum on-board graphics card memory	64 GB	Intel Virtualization Technology (VT-x)	✓
On-board graphics card DirectX version	12.0	Processor ARK ID	134906
On-board graphics card OpenGL version	4.5	Battery	
On-board graphics card ID	0x3E9B	Battery technology	Lithium-Ion (Li-Ion)
Number of discrete graphics cards installed	1	Number of battery cells	6
CUDA	✓	Battery capacity *	51 Wh
Audio		Power	
Number of built-in speakers	2	AC adapter power	180 W
Speaker power	3 W	DC-in jack	✓
Built-in microphone	✓	Weight & dimensions	
Camera		Width	383 mm
Front camera	✓	Depth	260 mm
Front camera signal format	720p	Height	29.5 mm
Front camera HD type	HD	Weight *	2.3 kg
Video capturing speed	30 fps	Packaging content	
Network		AC adapter included *	✓
Wi-Fi	✓		
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)		

Network		Other features	
Antenna type	2x2	3D	×
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		



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