



## MSI Gaming GL73 9SEK-295XRU Intel® Core™ i7 i7-9750H Laptop 43.9 cm (17.3") Full HD 16 GB DDR4-SDRAM 1.13 TB HDD+SSD NVIDIA® GeForce RTX™ 2060 Wi-Fi 5 (802.11ac) FreeDOS Black

**Brand :** MSI

**Product family:** Gaming

**Product code:**  
9S7-17C722-295



**Product name :** GL73  
9SEK-295XRU

- FreeDOS  
- Intel Core i7-9750H (12MB Cache, 2.6GHz)  
- 43.9 cm (17.3") Full HD 1920 x 1080, NVIDIA GeForce RTX 2060 (6GB GDDR6)  
- 16GB (2666MHz) DDR4-SDRAM & 1000GB HDD, 128GB SSD  
Intel Core i7-9750H (12MB Cache, 2.6GHz), 16GB DDR4-SDRAM, 1000GB HDD, 128GB SSD, 43.9 cm (17.3") Full HD 1920 x 1080, Intel UHD Graphics 630, NVIDIA GeForce RTX 2060 (6GB GDDR6), LAN, WLAN, Bluetooth, Webcam, FreeDOS  
MSI Gaming GL73 9SEK-295XRU. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-9750H, Processor frequency: 2.6 GHz. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1.13 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: FreeDOS. Product color: Black



Design		Network	
Product type *	Laptop	Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)
Product color *	Black	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Form factor *	Clamshell	Antenna type	2x2
Market positioning	Gaming	Ethernet LAN	✓
Display		Ethernet LAN data rates	10,100,1000 Mbit/s
Display diagonal *	43.9 cm (17.3")	Bluetooth	✓
Display resolution *	1920 x 1080 pixels	Bluetooth version	5.0
Touchscreen *	✗	Ports & interfaces	
HD type	Full HD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
LED backlight	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Native aspect ratio	16:9	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Dual-screen	✗	Ethernet LAN (RJ-45) ports	1
Processor		HDMI ports quantity *	1
Processor manufacturer *	Intel	Mini DisplayPorts quantity	1
Processor family *	Intel® Core™ i7	Headphone outputs	1
Processor generation	9th gen Intel® Core™ i7	Microphone in	✓
Processor model *	i7-9750H	Performance	
Processor cores	6	Motherboard chipset	Intel® HM370
Processor threads	12	Keyboard	
Processor boost frequency	4.5 GHz	Pointing device	Touchpad
Processor frequency *	2.6 GHz	Numeric keypad *	✓
System bus rate	8 GT/s	Keyboard backlight	✓
Processor cache	12 MB	Keyboard backlight color	Various
Processor cache type	Smart Cache	Windows keys	✓
Processor socket	BGA 1440	Software	
Processor lithography	14 nm	Operating system installed *	FreeDOS
Processor operating modes	64-bit		
Processor codename	Coffee Lake		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Tjunction	100 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel® My WiFi Technology (Intel® MWT)	✓
PCI Express slots version	3.0	Intel® Identity Protection Technology (Intel® IPT)	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Memory		Intel® Turbo Boost Technology	2.0
Internal memory *	16 GB	Enhanced Intel SpeedStep Technology	✓
Internal memory type	DDR4-SDRAM	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory clock speed	2666 MHz	Intel Clear Video Technology	✓
Memory form factor	SO-DIMM	Intel® InTru™ 3D Technology	✓
Memory slots	2x SO-DIMM	Intel® Quick Sync Video Technology	✓
Maximum internal memory *	64 GB	Intel Flex Memory Access	✓
Storage		Intel® AES New Instructions (Intel® AES-NI)	✓
Total storage capacity *	1.13 TB	Intel Trusted Execution Technology	✗
Storage media *	HDD+SSD	Intel VT-x with Extended Page Tables (EPT)	✓
Total HDDs capacity	1 TB	Intel® Secure Key	✓
Number of HDDs installed	1	Intel TSX-NI	✗
HDD capacity	1 TB	Intel Stable Image Platform Program (SIPP)	✗
Total SSDs capacity	128 GB	Intel® OS Guard	✓
SSD capacity	128 GB	Intel Software Guard Extensions (Intel SGX)	✓
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 RTX™ 2060	Processor package size	42 x 28 mm
Discrete graphics card memory	6 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
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 Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® UHD Graphics 630	Processor ARK ID	191045
On-board graphics card base frequency	350 MHz	Battery	
On-board graphics card dynamic frequency (max)	1150 MHz	Battery technology	Lithium-Ion (Li-Ion)
Maximum on-board graphics card memory	64 GB	Number of battery cells	6
On-board graphics card DirectX version	12.0	Battery capacity *	51 Wh
On-board graphics card OpenGL version	4.5	Power	
On-board graphics card ID	0x3E9B	AC adapter power	180 W
Number of discrete graphics cards installed	1	DC-in jack	✓
CUDA	✓	Weight & dimensions	
Audio		Width	419 mm
Number of built-in speakers	2	Depth	287 mm
Speaker power	3 W	Height	33 mm
Built-in microphone	✓	Weight *	2.9 kg
Camera		Packaging content	
Front camera	✓	AC adapter included *	✓
Front camera signal format	720p	Other features	
Front camera HD type	HD	3D	✗
Video capturing speed	30 fps		
Network			
Wi-Fi	✓		

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