



**MSI Gaming GV62 7RD-2048BE laptop Intel® Core™ i5 i5-7300HQ
39,6 cm (15.6") Full HD 8 GB DDR4-SDRAM 256 GB SSD NVIDIA®
GeForce® GTX 1050 Wi-Fi 5 (802.11ac) Black**

Brand : MSI

Product family: Gaming

Product code: GV62
7RD-2048BE

Product name : GV62
7RD-2048BE

MSI Gaming GV62 7RD-2048BE. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-7300HQ, Processor frequency: 2,5 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: 256 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 630, Discrete graphics card model: NVIDIA® GeForce® GTX 1050. Product colour: Black



Design		Ports & interfaces	
Product type *	Laptop	Ethernet LAN (RJ-45) ports	1
Product colour *	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 *	1920 x 1080 pixels	Performance	
Touchscreen *	✗	Motherboard chipset	HM175 Express
HD type	Full HD	Keyboard	
LED backlight	✓	Pointing device	Touchpad
Native aspect ratio	16:9	Numeric keypad *	✓
Display surface	Matt	Keyboard backlit	✓
Processor		Full-size keyboard	✓
Processor manufacturer *	Intel	Windows keys	✓
Processor family *	Intel® Core™ i5	Processor special features	
Processor generation	7th gen Intel® Core™ i5	Intel® Wireless Display (Intel® WiDi)	✓
Processor model *	i5-7300HQ	Intel® My WiFi Technology (Intel® MWT)	✓
Processor cores	4	Intel® Smart Response Technology	✓
Processor threads	4	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor boost frequency	3.5 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor frequency *	2.5 GHz	Intel® Turbo Boost Technology	2.0
System bus rate	8 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor cache	6 MB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache type	Smart Cache	Intel Clear Video Technology	✓
Processor socket	BGA 1440	Intel® InTru™ 3D Technology	✓
Processor lithography	14 nm	Intel® Quick Sync Video Technology	✓
Processor operating modes	64-bit		
Processor series	Intel Core i5-700 Desktop Series		
Processor codename	Kaby Lake		
Bus type	DMI3		
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 Flex Memory Access	✓
PCI Express slots version	3.0	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express configurations	1x16, 1x8+2x4, 2x8	Intel Trusted Execution Technology	✗
ECC supported by processor	✗	Intel Enhanced Halt State	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	8 GB	Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM	Intel TSX-NI	✗
Memory clock speed	2400 MHz	Intel Stable Image Platform Program (SIPP)	✗
Memory form factor	SO-DIMM	Intel® OS Guard	✓
Memory slots	2x SO-DIMM	Intel Software Guard Extensions (Intel SGX)	✓
Maximum internal memory *	32 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Storage		Intel 64	✓
Total storage capacity *	256 GB	Execute Disable Bit	✓
Storage media *	SSD	Idle States	✓
Number of HDDs installed	1	Thermal Monitoring Technologies	✓
Number of SSDs installed	1	Processor package size	42 x 28 mm
SSD capacity	256 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Optical drive type *	✗	CPU configuration (max)	1
Card reader integrated	✓	Embedded options available	✗
Compatible memory cards	SD, SDHC, SDXC	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics		Intel Identity Protection Technology version	1.00
Discrete graphics card model *	NVIDIA® GeForce® GTX 1050	Intel Smart Response Technology version	1.00
Discrete graphics card memory	2 GB	Intel Stable Image Platform Program (SIPP) version	0.00
Discrete graphics memory type	GDDR5	Intel Secure Key Technology version	1.00
On-board graphics card *	✓	Intel Small Business Advantage (SBA) version	1.00
Discrete graphics card *	✓	Intel TSX-NI version	0.00
On-board graphics card model *	Intel® HD Graphics 630	Intel Virtualization Technology (VT-x)	✓
On-board graphics card base frequency	350 MHz	Processor ARK ID	97456
On-board graphics card dynamic frequency (max)	1000 MHz	Conflict-Free processor	✓
Maximum on-board graphics card memory	64 GB	Battery	
On-board graphics card DirectX version	12.0	Number of battery cells	6
On-board graphics card OpenGL version	4.4	Power	
On-board graphics card ID	0x591B	AC adapter power	135 W
NVIDIA G-SYNC	✓	AC adapter frequency	50 - 60 Hz
NVIDIA GameWorks VR	✓	DC-in jack	✓
Audio		Weight & dimensions	
Number of built-in speakers	4	Width	383 mm
Speaker power	8 W	Depth	260 mm
Built-in microphone	✓	Height (front)	2.2 cm
Camera		Height (rear)	2.9 cm
Front camera	✓	Weight *	2.2 kg
Network		Packaging content	
Wi-Fi	✓	AC adapter included *	✓
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Manual	✓
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Other features	
Ethernet LAN	✓	Hot-swap second graphics card	✓
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Bluetooth version	4.2		

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



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Publication date: 13-MAY-2025. Prints or copies of Information are only valid on the printed Publication date