



**MSI Gaming GF62 8RD-254TW laptop Intel® Core™ i5 i5-8300H
39,6 cm (15.6") Full HD 8 GB DDR4-SDRAM 1 TB HDD NVIDIA®
GeForce® GTX 1050 Ti Wi-Fi 5 (802.11ac) Windows 10 Home Black**

Brand : MSI

Product family: Gaming

Article code: GF62 8RD-254TW

Product name : GF62
8RD-254TW



MSI Gaming GF62 8RD-254TW. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-8300H, Processor frequency: 2,3 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: 1 TB, Storage media: HDD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Home. Product color: Black

Design		Network	
Product type *	Laptop	Bluetooth	✓
Product color *	Black	Bluetooth version	5.0
Form factor *	Clamshell	Ports & interfaces	
Market positioning	Gaming	USB 2.0 ports quantity *	1
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display diagonal *	39,6 cm (15.6")	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Display resolution *	1920 x 1080 pixels	Ethernet LAN (RJ-45) ports	1
Touchscreen *	✗	HDMI ports quantity *	1
HD type	Full HD	Mini DisplayPorts quantity	1
LED backlight	✓	Headphone outputs	1
Native aspect ratio	16:9	Microphone in	✓
Dual-screen	✗	Performance	
Processor		Motherboard chipset	Intel® HM370
Processor manufacturer *	Intel	Keyboard	
Processor family *	Intel® Core™ i5	Pointing device	Touchpad
Processor generation	8th gen Intel® Core™ i5	Numeric keypad *	✓
Processor model *	i5-8300H	Keyboard backlight	✓
Processor cores	4	Windows keys	✓
Processor threads	8	Software	
Processor boost frequency	4 GHz	Operating system architecture	64-bit
Processor frequency *	2,3 GHz	Operating system installed *	Windows 10 Home
System bus rate	8 GT/s	Processor special features	
Processor cache	8 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	Intel® Turbo Boost Technology	2.0
Processor operating modes	64-bit		
Processor codename	Coffee Lake		
Bus type	DMI		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Configurable TDP-down frequency	1,8 GHz		

Processor		Processor special features	
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	✓
Memory		Intel® Quick Sync Video Technology	✓
Internal memory *	8 GB	Intel Flex Memory Access	✓
Internal memory type	DDR4-SDRAM	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory form factor	SO-DIMM	Intel Trusted Execution Technology	✗
Memory layout (slots x size)	1 x 8 GB	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 TB	Intel Stable Image Platform Program (SIPP)	✗
Storage media *	HDD	Intel® OS Guard	✓
Total HDDs capacity	1 TB	Intel Software Guard Extensions (Intel SGX)	✓
Number of HDDs installed	1	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
HDD capacity	1 TB	Intel 64	✓
HDD speed	7200 RPM	Execute Disable Bit	✓
HDD size	2.5"	Idle States	✓
Optical drive type *	✗	Thermal Monitoring Technologies	✓
Card reader integrated	✓	Processor package size	42 x 28 mm
Compatible memory cards	SD, SDHC, SDXC	CPU configuration (max)	1
Graphics		Embedded options available	✗
Discrete graphics card model *	NVIDIA® GeForce® GTX 1050 Ti	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card memory	4 GB	Intel Identity Protection Technology version	1,00
Discrete graphics memory type	GDDR5	Intel Stable Image Platform Program (SIPP) version	0,00
On-board graphics card *	✓	Intel Secure Key Technology version	1,00
Discrete graphics card *	✓	Intel TSX-NI version	0,00
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	134876
On-board graphics card base frequency	350 MHz	Battery	
On-board graphics card dynamic frequency (max)	1000 MHz	Number of battery cells	6
Maximum on-board graphics card memory	64 GB	Battery capacity *	41 Wh
On-board graphics card DirectX version	12.0	Power	
On-board graphics card OpenGL version	4.5	AC adapter power	150 W
On-board graphics card ID	0x3E9B	DC-in jack	✓
Number of discrete graphics cards installed	1	Security	
CUDA	✓	Cable lock slot	✓
Audio		Cable lock slot type	Kensington
Number of built-in speakers	4	Weight & dimensions	
Speaker power	2 W	Width	383 mm
Built-in microphone	✓	Depth	260 mm
Camera		Height (front)	2,2 cm
Front camera	✓	Height (rear)	2,9 cm
Front camera signal format	720p	Weight *	2,2 kg
Front camera HD type	HD	Packaging content	
Video capturing speed	30 fps	AC adapter included *	✓
Network			
Wi-Fi	✓		
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		

Network		Other features	
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	3D	×
Antenna type	2x2		
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		

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