



**MSI Gaming GP62MVR 7RFX-1030CA Leopard Pro Intel® Core™ i7  
i7-7700HQ Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM  
1.13 TB HDD+SSD NVIDIA® GeForce® GTX 1060 Wi-Fi 5  
(802.11ac) Windows 10 Home Black**

**Brand :** MSI

**Product family:** Gaming

**Product code:** GP62MVR  
7RFX-1030CA

**Product name :** GP62MVR  
7RFX-1030CA Leopard Pro

- Windows 10 Home 64-bit  
- Intel Core i7-7700HQ (6MB Cache, 2.8GHz)  
- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce GTX 1060 (3GB GDDR5)  
- 16GB DDR4-SDRAM & 1000GB HDD, 128GB SSD  
Intel Core i7-7700HQ (6MB Cache, 2.8GHz), 16GB DDR4-SDRAM, 1000GB HDD, 128GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel HD Graphics 630, NVIDIA GeForce GTX 1060 (3GB GDDR5), LAN, WLAN, Bluetooth, Webcam, Windows 10 Home 64-bit  
MSI Gaming GP62MVR 7RFX-1030CA Leopard Pro. Product type: Laptop, Form factor: Clamshell.  
Processor family: Intel® Core™ i7, Processor model: i7-7700HQ, Processor frequency: 2.8 GHz. Display diagonal: 39.6 cm (15.6"), 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® HD Graphics 630. Operating system installed: Windows 10 Home. Product colour: Black



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		
Processor series	Intel Core i7-7700 Mobile 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	Enhanced Intel SpeedStep Technology	✓
PCI Express slots version	3.0	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
PCI Express configurations	1x16, 1x8, 2x4, 2x8	Intel Clear Video Technology	✓
Memory		Intel® InTru™ 3D Technology	✓
Internal memory *	16 GB	Intel® Quick Sync Video Technology	✓
Internal memory type	DDR4-SDRAM	Intel Flex Memory Access	✓
Memory form factor	SO-DIMM	Intel® Smart Cache	✓
Memory slots	2x SO-DIMM	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum internal memory *	32 GB	Intel Trusted Execution Technology	✗
Storage		Intel Enhanced Halt State	✓
Total storage capacity *	1.13 TB	Intel VT-x with Extended Page Tables (EPT)	✓
Storage media *	HDD+SSD	Intel® Secure Key	✓
Total HDDs capacity	1 TB	Intel TSX-NI	✗
Number of HDDs installed	1	Intel Stable Image Platform Program (SIPP)	✗
HDD capacity	1 TB	Intel® OS Guard	✓
Total SSDs capacity	128 GB	Intel Software Guard Extensions (Intel SGX)	✓
Number of SSDs installed	1	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
SSD capacity	128 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® GTX 1060	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Discrete graphics card memory	3 GB	CPU configuration (max)	1
Discrete graphics memory type	GDDR5	Embedded options available	✗
On-board graphics card *	✓	Graphics & IMC lithography	14 nm
Discrete graphics card *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card family	Intel® HD Graphics	Intel Identity Protection Technology version	1.00
On-board graphics card model *	Intel® HD Graphics 630	Intel Smart Response Technology version	1.00
On-board graphics card base frequency	350 MHz	Intel Stable Image Platform Program (SIPP) version	0.00
On-board graphics card dynamic frequency (max)	1100 MHz	Intel Secure Key Technology version	1.00
Maximum on-board graphics card memory	64 GB	Intel Small Business Advantage (SBA) version	1.00
On-board graphics card DirectX version	12.0	Intel TSX-NI version	0.00
On-board graphics card OpenGL version	4.4	Intel Virtualization Technology (VT-x)	✓
On-board graphics card ID	0x591B	Processor ARK ID	97185
Number of discrete graphics cards installed	1	Conflict-Free processor	✓
NVIDIA GameWorks VR	✓	Battery	
CUDA	✓	Battery technology	Lithium-Ion (Li-Ion)
NVIDIA 3D Vision	✓	Number of battery cells	6
Audio		Battery capacity *	41 Wh
Number of built-in speakers	4	Power	
Speaker power	2 W	AC adapter power	180 W
Built-in microphone	✓	DC-in jack	✓
Camera		Weight & dimensions	
Front camera	✓	Width	383 mm
Front camera resolution	1280 x 720 pixels	Depth	260 mm
Front camera HD type	HD		
Video capturing speed	30 fps		
Network			
Wi-Fi	✓		
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		

Network		Weight & dimensions	
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Height (front)	2.2 cm
Ethernet LAN	✓	Height (rear)	2.9 cm
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight *	2.2 kg
Bluetooth	✓	Packaging content	
Bluetooth version	4.2	AC adapter included *	✓
Ports & interfaces		Other features	
USB 2.0 ports quantity *	1	3D	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		

## Catalog Object Cloud



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