



**MSI Gaming GP72 2QE(Leopard Pro)-068XTR Intel® Core™ i7
i7-5700HQ Laptop 43,9 cm (17.3") Full HD 8 GB DDR3L-SDRAM
1,13 TB HDD+SSD NVIDIA® GeForce® GTX 950M Wi-Fi 5
(802.11ac) FreeDOS Black**

Brand : MSI

Product family: Gaming

Product code: GP72
2QE-068XTR

Product name : GP72
2QE(Leopard Pro)-068XTR

Intel Core i7-5700HQ (6M Cache, 2.70 GHz), 17.3" Full HD (1920x1080) LED, 8GB DDR3L, 128GB SSD + 1TB SATA HDD, DVD Super Multi, Intel HD Graphics 5600 + NVIDIA GeForce GTX 950M 2GB GDDR3, Gigabit Ethernet, WLAN 802.11 ac, Bluetooth 4.0, HD Webcam, Free DOS
MSI Gaming GP72 2QE(Leopard Pro)-068XTR. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-5700HQ, Processor frequency: 2,7 GHz. Display diagonal: 43,9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1,13 TB, Storage media: HDD+SSD, Optical drive type: DVD Super Multi. Operating system installed: FreeDOS. Product colour: Black



Design		Ports & interfaces	
Product type *	Laptop	SmartCard slot	✗
Product colour *	Black	Performance	
Form factor *	Clamshell	Motherboard chipset	Intel® HM86
Display		Keyboard	
Display diagonal *	43,9 cm (17.3")	Pointing device	Touchpad
Display resolution *	1920 x 1080 pixels	Numeric keypad *	✓
Touchscreen *	✗	Windows keys	✓
HD type	Full HD	Software	
LED backlight	✓	Operating system installed *	FreeDOS
Native aspect ratio	16:9	Processor special features	
Display surface	Matt	Intel® Wireless Display (Intel® WiDi)	✓
Dual-screen	✗	Intel® My WiFi Technology (Intel® MWT)	✗
Processor		Intel® Anti-Theft Technology (Intel® AT)	✗
Processor manufacturer *	Intel	Intel® Smart Response Technology	✓
Processor family *	Intel® Core™ i7	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor generation	5th gen Intel® Core™ i7	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	i7-5700HQ	Intel® Turbo Boost Technology	2.0
Processor cores	4	Intel® Small Business Advantage (Intel® SBA)	✓
Processor threads	8	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	3,5 GHz	Intel® Built-in Visuals Technology	✓
Processor frequency *	2,7 GHz	Intel HD Graphics	✓
System bus rate	5 GT/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache	6 MB	Intel Clear Video Technology	✓
Processor cache type	L3	Intel® InTru™ 3D Technology	✓
Processor socket	BGA 1364		
Processor lithography	14 nm		
Processor operating modes	32-bit, 64-bit		
Processor series	Intel Core i7-5700 Mobile Series		
Processor codename	Broadwell		
Bus type	DMI2		
FSB Parity	✗		
Stepping	G0		

Processor		Processor special features	
Thermal Design Power (TDP)	47 W	Intel® Insider™	✓
Configurable TDP-down	37 W	Intel® Quick Sync Video Technology	✓
Configurable TDP-down frequency	0,6 GHz	Intel Flex Memory Access	✓
Tjunction	105 °C	Intel® Smart Cache	✓
Maximum number of PCI Express lanes	16	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express slots version	3.0	Intel Trusted Execution Technology	✗
PCI Express configurations	1x16, 2x4, 1x8, 2x8	Intel Enhanced Halt State	✓
ECC supported by processor	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel Demand Based Switching	✗
Internal memory *	8 GB	Intel® Secure Key	✓
Internal memory type	DDR3L-SDRAM	Intel TSX-NI	✗
Memory form factor	SO-DIMM	Intel Stable Image Platform Program (SIPP)	✗
Memory slots	2x SO-DIMM	Intel® OS Guard	✓
Maximum internal memory *	16 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Storage		Intel 64	✓
Total storage capacity *	1,13 TB	Execute Disable Bit	✓
Storage media *	HDD+SSD	Idle States	✓
Number of hard drives installed	1	Thermal Monitoring Technologies	✓
Hard drive capacity	1 TB	Processor package size	37.5 x 32 x 1.8 mm
Hard drive interface	SATA	Supported instruction sets	SSE4.2, AVX 2.0, SSE4.1
Solid-state drive capacity	128 GB	Processor code	SR2BP
Optical drive type *	DVD Super Multi	CPU configuration (max)	1
Card reader integrated	✓	Embedded options available	✗
Compatible memory cards	SD, SDHC, SDXC	Graphics & IMC lithography	14 nm
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card model *	NVIDIA® GeForce® GTX 950M	Intel Identity Protection Technology version	1,00
Discrete graphics card memory	2 GB	Intel Smart Response Technology version	1,00
Discrete graphics memory type	GDDR3	Intel Stable Image Platform Program (SIPP) version	0,00
On-board graphics card *	✓	Intel Secure Key Technology version	1,00
Discrete graphics card *	✓	Intel Small Business Advantage (SBA) version	1,00
On-board graphics card family	Intel® HD Graphics	Intel TSX-NI version	0,00
On-board graphics card model *	Intel® HD Graphics 5600	Intel Virtualization Technology (VT-x)	✓
On-board graphics card base frequency	300 MHz	Intel Dual Display Capable Technology	✗
On-board graphics card dynamic frequency (max)	1050 MHz	Intel FDI Technology	✓
Maximum on-board graphics card memory	32 GB	Intel Rapid Storage Technology	✗
On-board graphics card DirectX version	11.2	Intel Fast Memory Access	✓
On-board graphics card OpenGL version	4.3	Processor ARK ID	87716
On-board graphics card ID	0x1612	Conflict-Free processor	✓
Graphics card Open GL support	✓	Battery	
Audio		Battery technology	Lithium-Ion (Li-Ion)
Audio system	Audio Boost	Number of battery cells	6
Number of built-in speakers	2	Power	
Built-in microphone	✓	AC adapter power	120 W
Camera		AC adapter frequency	50 - 60 Hz
Front camera	✓	DC-in jack	✓
Front camera resolution	1280 x 720 pixels	Security	
Video capturing speed	30 fps	Cable lock slot	✓
Network			
Wi-Fi	✓		
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)		

Network		Security	
Ethernet LAN	✓	Cable lock slot type	Kensington
Ethernet LAN data rates	10,1000,100 Mbit/s	Weight & dimensions	
Bluetooth	✓	Width	419,9 mm
Bluetooth version	4.0	Depth	287,8 mm
Ports & interfaces		Height (front)	2,95 cm
USB 2.0 ports quantity *	1	Height (rear)	3,35 cm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Weight *	2,6 kg
Ethernet LAN (RJ-45) ports	1	Packaging content	
HDMI ports quantity *	1	AC adapter included *	✓
DVI port	✗	Cables included	AC
Headphone outputs	1	Manual	✓
S/PDIF out port	✗	Other features	
Microphone in	✓	LightScribe	✗
Docking connector	✗	3D	✗
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		

Catalog Object Cloud



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