



**MSI Gaming GE70 0ND-268BE ноутбук Intel® Core™ i7 i7-3630QM
43,9 см (17.3") Full HD 8 GB DDR3-SDRAM 750 GB HDD NVIDIA®
GeForce® GTX 660M Windows 8 Черен**

Марка : MSI

Семейство продукти:
Gaming

Продуктов код: GE70
0ND-268BE

Модел : GE70 0ND-268BE

MSI Gaming GE70 0ND-268BE. Типоразмер: Мида. Семейство на процесора: Intel® Core™ i7, Модел процесор: i7-3630QM, Честота на копроцесора: 2,4 GHz. Диагонал на дисплея: 43,9 см (17.3"), HD тип: Full HD, Резолюция на дисплея: 1920 x 1080 пиксела. Оперативна памет: 8 GB, Тип вътрешна памет: DDR3-SDRAM. Пълен обем на паметта: 750 GB, Носител за съхранение: HDD, Тип на оптичното устройство: Blu-Ray DVD Combo. Модел на вградения графичен адаптер: Intel® HD Graphics 4000. Инсталирана операционна система: Windows 8. Цвят на продукта: Черен



Design		Ports & interfaces	
Product colour *	Black	Microphone in	✓
Form factor *	Clamshell	ExpressCard slot	✗
Market positioning	Gaming	CardBus PCMCIA slot type	✗
Display		SmartCard slot	✗
Display diagonal *	43.9 cm (17.3")	Performance	
Display resolution *	1920 x 1080 pixels	Motherboard chipset	Intel HM76 Express
Touchscreen *	✗	Keyboard	
HD type	Full HD	Pointing device	Touchpad
LED backlight	✓	Numeric keypad *	✓
Native aspect ratio	16:9	Software	
Processor		Operating system architecture	64-bit
Processor manufacturer *	Intel	Operating system installed *	Windows 8
Processor family *	Intel® Core™ i7	Processor special features	
Processor generation	3rd gen Intel® Core™ i7	Intel® Wireless Display (Intel® WiDi)	✓
Processor model *	i7-3630QM	Intel® My WiFi Technology (Intel® MWT)	✓
Processor cores	4	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor threads	8	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor boost frequency	3.4 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor frequency *	2.4 GHz	Intel® Turbo Boost Technology	2.0
System bus rate	5 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	PGA988	Intel® InTru™ 3D Technology	✓
Processor lithography	22 nm	Intel® Insider™	✓
Processor operating modes	64-bit		
Processor series	Intel Core i7-3600 Mobile series		
Processor codename	Ivy Bridge		
Bus type	DMI		
FSB Parity	✗		
Stepping	E1		
Thermal Design Power (TDP)	45 W		
Tjunction	105 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel® Quick Sync Video Technology	✓
PCI Express slots version	3.0	Intel Flex Memory Access	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Smart Cache	✓
CPU multiplier (bus/core ratio)	24	Intel® AES New Instructions (Intel® AES-NI)	✓
ECC supported by processor	✗	Intel Trusted Execution Technology	✗
Memory		Intel Enhanced Halt State	✓
Internal memory *	8 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR3-SDRAM	Intel Demand Based Switching	✗
Memory slots	2x SO-DIMM	Intel® Secure Key	✓
Maximum internal memory *	16 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Storage		Intel 64	✓
Total storage capacity *	750 GB	Execute Disable Bit	✓
Storage media *	HDD	Idle States	✓
Number of HDDs installed	1	Thermal Monitoring Technologies	✓
HDD capacity	750 GB	Processor package size	37.5 x 37.5 (rPGA988B)
HDD interface	SATA	Supported instruction sets	AVX
Optical drive type *	Blu-Ray DVD Combo	Processor code	SR0UX
Card reader integrated	✓	CPU configuration (max)	1
Compatible memory cards	Memory Stick (MS), MMC, MS PRO, SD, SDHC, SDXC, xD	Embedded options available	✗
Graphics		Graphics & IMC lithography	22 nm
Discrete graphics card model *	NVIDIA® GeForce® GTX 660M	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Discrete graphics card memory	2 GB	Intel Identity Protection Technology version	1.00
Discrete graphics memory type	GDDR5	Intel Secure Key Technology version	1.00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✓	Intel Dual Display Capable Technology	✓
On-board graphics card family	Intel® HD Graphics	Intel FDI Technology	✓
On-board graphics card model *	Intel® HD Graphics 4000	Intel Rapid Storage Technology	✗
On-board graphics card base frequency	650 MHz	Intel Fast Memory Access	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Processor ARK ID	71459
On-board graphics card ID	0x166	Conflict-Free processor	✓
Audio		Integrated 4G WiMAX	✓
Audio system	THX TruStudio Pro	Battery	
Built-in speaker(s)	✓	Number of battery cells	6
Number of built-in speakers	4	Power	
Speaker power	2 W	AC adapter power	150 W
Built-in microphone	✓	DC-in jack	✓
Network		Security	
Wi-Fi	✓	Cable lock slot	✗
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight & dimensions	
Ethernet LAN	✓	Width	418 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth	269 mm
Bluetooth	✓	Height	39 mm
Bluetooth version	4.0	Weight *	2.7 kg
Cabling technology	10/100/1000Base-T(X)	Packaging content	
Ports & interfaces		AC adapter included *	✓
USB 2.0 ports quantity *	2	Other features	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	LightScribe	✗
Ethernet LAN (RJ-45) ports	1	Infrared data port	✗
HDMI ports quantity *	1		
DVI port	✗		
VGA (D-Sub) ports quantity	1		
Headphone outputs	1		

Ports & interfaces		Other features	
S/PDIF out port	✗	Graphics card family	Intel, NVIDIA



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