

**MSI Gaming GE60 2PC(Apache)-496XTR Intel® Core™ i5 i5-4200H  
15.6) HD كامل 8 جيجابايت DDR3L-SDRAM 1  
NVIDIA® GeForce® GTX 850M FreeDOS  
أسود**



العلامة التجارية : MSI

عائلة المنتجات : Gaming

رمز المنتج : GE60 2PC-496XTR

اسم المنتج : GE60  
2PC(Apache)-496XTR

MSI Gaming GE60 2PC(Apache)-496XTR. فئة المعالج: i5-4200H, نوع: i5-4200H, طراز المعالج: Core™ i5, كامل, HD: HD, ترددات المعالج: 2,8 جيجاهرتز, قطر الشاشة: 39,6 سم (15.6"), نوع: 1920 x 1080 x وضوح العرض: 1920 سعة التخزين: DDR3L-SDRAM, بيكسل. الذاكرة الداخلية: 8 جيجابايت, نوع الذاكرة الداخلية: 1080 x وضوح العرض: 1920 نظام التشغيل: DVD. الإجمالية: 1 تيرا بايت, وسائط التخزين: سواقة قرص صلب, نوع محرك الأقراص الضوئية: سوبر مالتي المثبت: FreeDOS. لون المنتج: أسود.

Design		Ports & interfaces	
Product type *	Laptop	Headphone outputs	1
Product colour *	Black	S/PDIF out port	×
Form factor *	Clamshell	Microphone in	✓
Market positioning	Gaming	Docking connector	×
Display		ExpressCard slot	×
Display diagonal *	39.6 cm (15.6")	CardBus PCMCIA slot type	×
Display resolution *	1920 x 1080 pixels	SmartCard slot	×
Touchscreen *	×	Performance	
HD type	Full HD	Motherboard chipset	Intel® HM86
LED backlight	✓	Keyboard	
Native aspect ratio	16:9	Pointing device	Touchpad
Display surface	Matt	Numeric keypad *	✓
Dual-screen	×	Keyboard backlit	✓
Processor		Keyboard number of keys	103
Processor manufacturer *	Intel	Software	
Processor family *	Intel® Core™ i5	Operating system installed *	FreeDOS
Processor generation	4th gen Intel® Core™ i5	Processor special features	
Processor model *	i5-4200H	Intel® Wireless Display (Intel® WiDi)	✓
Processor cores	2	Intel® My WiFi Technology (Intel® MWT)	×
Processor threads	4	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor boost frequency	3.4 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor frequency *	2.8 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	5 GT/s	Intel® Turbo Boost Technology	2.0
Processor cache	3 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor socket	BGA 1364		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i5-4200 Mobile series		
Processor codename	Haswell		
Bus type	DMI2		
FSB Parity	×		

Processor		Processor special features	
Stepping	C0	Intel Clear Video Technology	✗
Thermal Design Power (TDP)	47 W	Intel® InTru™ 3D Technology	✓
Tjunction	100 °C	Intel® Insider™	✓
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	✓
ECC supported by processor	✗	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory		Intel Trusted Execution Technology	✗
Internal memory *	8 GB	Intel Enhanced Halt State	✗
Internal memory type	DDR3L-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory clock speed	1600 MHz	Intel Demand Based Switching	✗
Memory form factor	SO-DIMM	Intel® Secure Key	✓
Memory slots	2x SO-DIMM	Intel TSX-NI	✗
Maximum internal memory *	16 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Storage		Intel 64	✓
Total storage capacity *	1 TB	Execute Disable Bit	✓
Storage media *	HDD	Thermal Monitoring Technologies	✓
Number of HDDs installed	1	Processor package size	37.5 x 32 x 1.65 mm
HDD capacity	1 TB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
HDD interface	SATA	Processor code	SR15G
HDD speed	7200 RPM	CPU configuration (max)	1
Optical drive type *	DVD Super Multi	Embedded options available	✗
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Compatible memory cards	SD, SDHC, SDXC	Intel Identity Protection Technology version	1.00
Graphics		Intel Secure Key Technology version	1.00
Discrete graphics card model *	NVIDIA® GeForce® GTX 850M	Intel TSX-NI version	0.00
Discrete graphics card memory	2 GB	Intel Virtualization Technology (VT-x)	✓
Discrete graphics memory type	GDDR5	Intel Dual Display Capable Technology	✗
On-board graphics card *	✓	Intel FDI Technology	✗
Discrete graphics card *	✓	Intel Rapid Storage Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel Fast Memory Access	✗
On-board graphics card model *	Intel® HD Graphics 4600	Processor ARK ID	75027
On-board graphics card base frequency	400 MHz	Conflict-Free processor	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Battery	
Maximum on-board graphics card memory	1.74 GB	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card DirectX version	11.1	Number of battery cells	6
On-board graphics card ID	0x416	Battery capacity	4400 mAh
Audio		Battery capacity *	49 Wh
Audio system	Sound Blaster Cinema	Power	
Number of built-in speakers	4	AC adapter power	120 W
Speakers manufacturer	Dynaudio	DC-in jack	✓
Speaker power	2 W	Security	
Built-in microphone	✓	Cable lock slot	✓
Camera		Cable lock slot type	Kensington
Front camera	✓	Weight & dimensions	
Front camera resolution	1280 x 720 pixels	Width	383 mm
Video capturing speed	30 fps	Depth	249.5 mm
Network		Height (front)	3.23 cm
Wi-Fi	✓	Height (rear)	3.76 cm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Ethernet LAN	✓		
Bluetooth	✓		

Network		Weight & dimensions	
Bluetooth version	4.0	Weight *	2.6 kg
Ports & interfaces		Packaging content	
USB 2.0 ports quantity *	2	AC adapter included *	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Other features	
Ethernet LAN (RJ-45) ports	1	LightScribe	✗
HDMI ports quantity *	1	3D	✗
DVI port	✗	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
VGA (D-Sub) ports quantity	1		

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