MSI Classic CX61 2PC-1214XES Intel® Core™ i7 i7-4712MQ Laptop 39.6 cm (15.6") HD 8 GB DDR3L-SDRAM 1 TB HDD NVIDIA® GeForce® 820M Wi-Fi 4 (802.11n) FreeDOS Black, Brown

Brand: MSI **Product family:** Classic **Product code:**

9S7-16GD11-1214

Product name: CX61 2PC-1214XES

Intel Core i7-4712MQ (6M Cache, 2.30 GHz), 15.6" HD (1366 x 768) LED, 8GB DDR3L, 1000GB SATA HDD, DVD Super Multi, Intel HD Graphics 4600 + NVIDIA GeForce 820M 2GB DDR3, Gigabit Ethernet, WLAN 802.11 b/g/n, Bluetooth 4.0, HD Webcam, Free DOS

MSI Classic CX61 2PC-1214XES. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-4712MQ, Processor frequency: 2.3 GHz. Display diagonal: 39.6 cm (15.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD Super Multi. Operating system installed: FreeDOS. Product colour: Black, Brown





Design		Ports & interfaces	
Product type *	Laptop	HDMI version	1.4
Product colour *	Black, Brown	DVI port	×
Form factor *	Clamshell	VGA (D-Sub) ports quantity	1
Display		Headphone outputs	1
Display diagonal *	39.6 cm (15.6")	S/PDIF out port	×
Display resolution *	1366 x 768 pixels	Microphone in	✓
Touch screen *	×	Docking connector	×
HD type	HD	ExpressCard slot	×
LED backlight	✓	CardBus PCMCIA slot type	×
Native aspect ratio	16:9	SmartCard slot	×
Display surface	Matt		
Processor		Performance	
Processor manufacturer *	Intel	Motherboard chipset	Intel® HM86
Processor family *	Intel® Core™ i7	Keyboard	
Processor generation	4th gen Intel® Core™ i7	Pointing device	Touchpad
Processor *	i7-4712MQ	Numeric keypad *	✓
Processor number of cores	4	Keyboard number of keys	102
Processor threads	8	Software	
Processor boost frequency	3.3 GHz	Operating system installed *	FreeDOS
Processor frequency *	2.3 GHz	. 5 3	1100000
System bus data transfer rate	5 GT/s	Processor special features	
Processor cache	6 MB	Intel Wireless Display (WiDi) Technology	✓
Processor cache type	Smart Cache	Intel My WiFi Technology	×
Processor socket	PGA946		
Processor lithography	22 nm	Intel Anti-Theft Technology	✓
Processor operating modes	64-bit	Intel Identity Protection Technology	•
Processor series	Intel Core i7-4700 Mobile series	Intel Hyper-Threading Technology	✓
Processor codename	Haswell	Intel Turbo Boost Technology	2.0
Bus type	DMI	Enhanced Intel SpeedStep Technology	✓
FSB Parity	X C0	Intel Clear Video HD Technology	/
Stepping Thermal Design Power (TDP)	37 W	3,	
Tjunction	100 °C	Intel Clear Video Technology	X
rjunction	100 C	Intel® InTru™ 3D Technology	✓

Processor Proc	_			
Image	Processor		Processor special features	
MCL Express storation 3.0 Intel® SQUIKE Sync Vinder Technology MCL Express storation 1.16, 2.81, 1.89+2.44 Intel® Smart Cache MCL	· .	16	Intel® Insider™	✓
No. Section No. Sectio		3.0	Intel® Quick Sync Video Technology	✓
Memory M	•		Intel Flex Memory Access	×
Memory	•	×	Intel® Smart Cache	✓
Internal memory y	Memory		Intel AES New Instructions	✓
Internal memony type DOB31_SORAM Intell Franciscular Historia V Memory Joyout (slots x size) 1 x 8 GB Tables (EPT) V Storage Intel Demand Based Switching X Storage ITB Intel TSX-NI X Storage media ** IND Intel Glear Video Technology for MID X Number of hard drive installed 1 DD Intel Glear Video Technology for MID X Hard drive capacity 1 TB Intel Glear Video Technology for MID X Hard drive installed 1 DD Intel Glear Video Technology for MID X Hard drive interface 5A00 RPM Intel Glear Video Technology for MID X Card reader integrated 2 DD Specified Video Technology for MID X Compabible memory cards 50, 5DHC, 5DXC Supported instruction sets at AVX 2.0, SSE41, SSE42 X Discrete graphics card model ** NIDIDAW Geforce® 820M Embedded options available AVX 2.0, SSE41, SSE42 Discrete graphics card model ** NIDIDAW Geforce® 820M Embedded options available X Discrete graphics card ** V Inte	•	9 CP	Intel Trusted Execution Technology	×
Memony slots 1.8 6 GB Intel VT-rw with Extended Page Z Storage 2 x 50-DIMM Intel Demand Based Switching X TOTAL storage capacity** 1 TB Intel S Secure Key Z Number of hard drives installed 1 TB Intel TSX-INI X Hard drive interface 5AT Execute Disable Bit Z Hard drive interface 5A07 Execute Disable Bit Z Card reader integrated 500 RPM Idle States Z Card reader integrated Z December of Disable Bit Z Card reader integrated Z December of Disable Bit Z Card reader integrated Z December of Disable Bit Z Card reader integrated Z December of Disable Bit Z Card reader integrated Z December of Disable Bit Z Card reader integrated Z Disable General State	•		Intel Enhanced Halt State	✓
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Number of hard drives installed 1	Total storage capacity *	1 TB	·	
Number of hard drives installed 1	- · · ·	HDD		
Hard drive interface SATA Execute Disable Bit	Number of hard drives installed	1		
Hard drive rotational speed S400 RPM Jobical drive type * Optical drive type * Optical drive type * Optical drive type * Compatible memory cards SD, SDHC, SDXC Supported instruction sets AVX 2.0, SSE4.1, SSE4.2 Processor code SRIPS CPU configuration (max) 1 Discrete graphics ard mondy * Discrete graphics ard memory type On-board graphics card * On-board graphics card * On-board graphics card * On-board graphics card family On-board graphics card family On-board graphics card andel * On-board graphics card model * On-board graphics card model * On-board graphics card with the HD Graphics Intel Withualization Technology (VT- Version On-board graphics card drive HD Graphics Intel Secure Key Technology version Intel Secure Key Technology (VT- Version On-board graphics card drive HD Graphics (Intel Dia Display Capable Technology (VT- Version) Intel Dia Display Capable Technology Intel Dia Display Capable Technology Intel Rapid Storage Technology Version On-board graphics card DirectX Il.1 Intel Fast Memory Access Audio On-board graphics card brectX Audio system SRS PC Sound Makimum on-board graphics card brectX Audio system SRS PC Sound SRS PC Sound Makimum or butility is peakers 2 Battery Audio system SRS PC Sound SRS PC Sound Sattery Audio system SRS PC Sound Sattery	Hard drive capacity	1 TB		
Optical drive type * DVD Super Multi Thermal Monitoring Technologies / Card reader integrated / Processor package size 37.5 x 32 x 1.6 mm Compatible memory cards SD, SDHC, SDXC Supported instruction sets AVX 2.0. SSE4.1, SSE4.2 Discrete graphics card model * NVIDIA® GeForce® 820M Processor code SRIPS Discrete graphics card memory Discrete graphics memory type GDDR3 Intel Virtualization Technology for Directed (10 VT-d) X Discrete graphics card * / Intel Identity Protection Technology for Directed (10 VT-d) X On-board graphics card family Intel® HD Graphics Intel® FLD Graphics Intel® FLD Graphics Intel® FLD Graphics A600 Intel TSX-NII version 0.00 On-board graphics card down graphics card with graphics and graphics card down graphics card with graphics card down graphics card by a company of graphics card down graphics card by a company graphic card for graphics card graphics card for graphics graphics card graphics card for graphics gr				
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CPU configuration (max) 1	, ,	SD, SDRC, SDAC	• •	
Discrete graphics card model * MVIDA® GeForce® 820M Embedded options available X Security S	Graphics			
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Discrete graphics card *	- '		. , ,	*
On-board graphics card family On-board graphics card model * Intel® HD Graphics Intel Secure Key Technology version 1.00 On-board graphics card model * Intel® HD Graphics 4600 Intel TSX-NI version 0.00 On-board graphics card base frequency On-board graphics card dynamic frequency (max) On-board graphics card dynamic frequency (max) On-board graphics card dynamic frequency (max) Maximum on-board graphics card memory Intel FDI Technology Intel FDI Technology Intel Rapid Storage Technology V- Intel FBI Technology V- Intel FBI Technology V- Intel FBI Technology V- Intel FBI Momory Access V- Version On-board graphics card DirectX Version On-board graphics card DirectX Version On-board graphics card ID Ox416 Processor ARK ID Ox406 Processor ARK ID Ox407 Processor ARK ID Ox408 Battery Battery technology Lithium-Ion (Li-Ion) Number of buttery cells Ox408 Conflict-Free processor Processor ARK ID Ox408 Battery Battery Battery technology Lithium-Ion (Li-Ion) Number of buttery cells Ox408 Conflict-Free processor Processor ARK ID Ox408 Battery Batte	- '			1.00
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Trechnology	frequency	400 MHZ		
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On-board graphics card ID 0x416 Processor ARK ID 78933 Audio Audio system SRS PC Sound Battery Number of built-in speakers 2 Battery technology Lithium-Ion (Li-Ion) Built-in microphone ✓ Number of battery cells 6 Camera Front camera ✓ AC adapter power 65 W Front camera resolution 1280 x 720 pixels AC adapter output voltage 19 V Video capturing speed 30 fps DC-in jack ✓ Network Security Wi-Fi ✓ Cable lock slot ✓ Top Wi-Fi standard* Wi-Fi 4 (802.11n) Weight & Dimensions Kensington Wi-Fi standards 802.11b, 802.11g, Wi-Fi 4 (802.11n) Weight & Dimensions Ethernet LAN connection ✓ Width 383 mm Ethernet LAN data rates 10,100,1000 Mbit/s Depth 249.5 mm Bluetooth version 4.0 Height (front) 3.23 cm Bluetooth version 4.0 Height (frear) 3.76 cm USB 2.0 ports quan		11.1	Intel Fast Memory Access	×
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		2	adapter buildied	-

Ports & interfaces		Other features	
Ethernet LAN (RJ-45) ports quantity	1	LightScribe	×
HDMI ports quantity *	1	3D compatibility	×



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Catalog Object Cloud



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