



Lenovo IdeaPad Z410 Intel® Core™ i5 i5-4200M Laptop 35,6 cm (14") 4 GB DDR3L-SDRAM 1 TB HDD FreeDOS Chocolate

Brand : Lenovo

Product family: IdeaPad

Article code: 59391080

Product name : Z410



Lenovo IdeaPad Z410. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-4200M, Processor frequency: 2,5 GHz. Display diagonal: 35,6 cm (14"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD Super Multi. On-board graphics card model: Intel® HD Graphics 4600. Operating system installed: FreeDOS. Product color: Chocolate

Design		Ports & interfaces	
Product type *	Laptop	Combo headphone/mic port	✓
Product color *	Chocolate	Docking connector	✗
Form factor *	Clamshell	CardBus PCMCIA slot type	✗
Display		Performance	
Display diagonal *	35,6 cm (14")	Motherboard chipset	Intel® HM86
Display resolution *	1366 x 768 pixels	Keyboard	
Touchscreen *	✗	Pointing device	Touchpad
LED backlight	✓	Numeric keypad *	✗
Native aspect ratio	16:9	Full-size keyboard	✓
Display surface	Matt	Software	
Display brightness	200 cd/m²	Operating system installed *	FreeDOS
Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Wireless Display (Intel® WiDi)	✓
Processor family *	Intel® Core™ i5	Intel® My WiFi Technology (Intel® MWT)	✗
Processor generation	4th gen Intel® Core™ i5	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor model *	i5-4200M	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores	2	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	4	Intel® Turbo Boost Technology	2.0
Processor boost frequency	3,1 GHz	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	2,5 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
System bus rate	5 GT/s	Intel Clear Video Technology	✗
Processor cache	3 MB	Intel® InTru™ 3D Technology	✓
Processor cache type	Smart Cache	Intel® Insider™	✓
Processor socket	PGA946	Intel® Quick Sync Video Technology	✓
Processor lithography	22 nm	Intel Flex Memory Access	✗
Processor operating modes	64-bit	Intel® Smart Cache	✓
Processor series	Intel Core i5-4200 Mobile series	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor codename	Haswell	Intel Trusted Execution Technology	✗
Bus type	DMI	Intel Enhanced Halt State	✗
FSB Parity	✗		
Stepping	C0		
Thermal Design Power (TDP)	37 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	3.0		
PCI Express configurations	1x16, 2x8, 1x8+2x4		
ECC supported by processor	✗		

Memory		Processor special features	
Internal memory *	4 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR3L-SDRAM	Intel Demand Based Switching	✗
Memory clock speed	1600 MHz	Intel® Secure Key	✓
Memory form factor	SO-DIMM	Intel TSX-NI	✗
Memory layout (slots x size)	1 x 4 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Maximum internal memory *	8 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	1 TB	Idle States	✓
Storage media *	HDD	Thermal Monitoring Technologies	✓
Number of HDDs installed	1	Processor package size	37.5 x 37.5 x 4.7 mm
HDD capacity	1 TB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
HDD interface	SATA	Processor code	SR1HA
HDD speed	5400 RPM	CPU configuration (max)	1
HDD size	2.5"	Embedded options available	✗
Optical drive type *	DVD Super Multi	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Card reader integrated	✓	Intel Identity Protection Technology version	1,00
Compatible memory cards	MMC, SD	Intel Secure Key Technology version	1,00
Graphics		Intel TSX-NI version	0,00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card family	Intel® HD Graphics	Intel Dual Display Capable Technology	✗
On-board graphics card model *	Intel® HD Graphics 4600	Intel FDI Technology	✗
On-board graphics card base frequency	400 MHz	Intel Rapid Storage Technology	✗
On-board graphics card dynamic frequency (max)	1150 MHz	Intel Fast Memory Access	✗
Maximum on-board graphics card memory	1,74 GB	Processor ARK ID	76348
On-board graphics card DirectX version	11.1	Conflict-Free processor	✓
On-board graphics card ID	0x416	Battery	
Audio		Number of battery cells	4
Audio system	Dolby Home Theater	Battery capacity *	48 Wh
Number of built-in speakers	2	Power	
Speaker power	1,5 W	DC-in jack	✓
Built-in microphone	✓	Security	
Camera		Cable lock slot	✗
Front camera	✓	Weight & dimensions	
Front camera resolution	1280 x 720 pixels	Width	344,9 mm
Network		Depth	243,8 mm
Wi-Fi	✓	Height	25 mm
Wi-Fi standards	802.11a, 802.11b, 802.11g	Weight *	2 kg
Ethernet LAN	✓	Packaging content	
Ethernet LAN data rates	10,100 Mbit/s	AC adapter included *	✓
Bluetooth	✓	Manual	✓
Bluetooth version	4.0	Power cord included	✓
Ports & interfaces		Other features	
USB 2.0 ports quantity *	1	Maximum internal memory (64-bit)	8 GB
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Intel® Virtualization Technology (Intel® VT)	VT-x
Ethernet LAN (RJ-45) ports	1		
HDMI ports quantity *	1		
DVI port	✗		
VGA (D-Sub) ports quantity	1		
S/PDIF out port	✗		
Microphone in	✗		

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