



Lenovo IdeaPad Z510 Intel® Core™ i3 i3-4000M Laptop 39,6 cm (15.6") 4 GB DDR3L-SDRAM 1 TB Hybrid-HDD NVIDIA® GeForce® GT 740M Black, Silver

Brand : Lenovo

Product family: IdeaPad

Product code: 59-427461

Product name : Z510

IdeaPad z510 - Intel Core i3-4000M (3M Cache, 2.40 GHz), 4GB DDR3L RAM, 1TB+8GB SSHD, 15.6" HD LED (1366x768), NVIDIA GeForce GT 740M 2GB, Wi-Fi 802.11 b/g/n, DVD-Super Multi DL, Fast Ethernet, 4-Cell, NoOS

Lenovo IdeaPad Z510. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i3, Processor model: i3-4000M, Processor frequency: 2,4 GHz. Display diagonal: 39,6 cm (15.6"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: Hybrid-HDD, Optical drive type: DVD Super Multi DL. On-board graphics card model: Intel® HD Graphics 4600, Discrete graphics card model: NVIDIA® GeForce® GT 740M. Product colour: Black, Silver



Design		Keyboard	
Product type *	Laptop	Windows keys	✓
Product colour *	Black, Silver	Software	
Form factor *	Clamshell	Operating system installed *	✗
Display		Processor special features	
Display diagonal *	39,6 cm (15.6")	Intel® Wireless Display (Intel® WiDi)	✓
Display resolution *	1366 x 768 pixels	Intel® My WiFi Technology (Intel® MWT)	✗
Touchscreen *	✗	Intel Smart Connect Technology	✗
LED backlight	✓	Intel® Anti-Theft Technology (Intel® AT)	✓
Native aspect ratio	16:9	Intel® Rapid Start Technology	✗
Display surface	Matt	Intel® Smart Response Technology	✗
Display brightness	300 cd/m²	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	✗
Processor family *	Intel® Core™ i3	Intel® Small Business Advantage (Intel® SBA)	✗
Processor generation	4th gen Intel® Core™ i3	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor model *	i3-4000M	Intel® High Definition Audio (Intel® HD Audio)	✗
Processor cores	2	Intel® Active Management Technology (Intel® AMT)	✗
Processor threads	4	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	2,4 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		
Processor operating modes	64-bit		
Processor series	Intel® Core™ i3-4000 Mobile Series		
Processor codename	Haswell		
Bus type	DMI		
FSB Parity	✗		
Stepping	C0		
Thermal Design Power (TDP)	37 W		
Tjunction	100 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel Flex Memory Access	✗
PCI Express slots version	2.0	Intel® Smart Cache	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® AES New Instructions (Intel® AES-NI)	✗
ECC supported by processor	✗	Intel Trusted Execution Technology	✗
Memory		Intel Enhanced Halt State	✗
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 slots	2x SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Maximum internal memory *	16 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	1 TB	Idle States	✓
Storage media *	Hybrid-HDD	Thermal Monitoring Technologies	✓
Hybrid-HDD capacity	1 TB	Processor package size	37.5 x 37.5 x 4.7 mm
Hybrid-HDD cache memory	8 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
HDD size	2.5"	Processor code	SR1HC
Optical drive type *	DVD Super Multi DL	CPU configuration (max)	1
Card reader integrated	✓	Embedded options available	✗
Compatible memory cards	MMC, SD	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Graphics		Intel Identity Protection Technology version	1,00
Discrete graphics card model *	NVIDIA® GeForce® GT 740M	Intel Secure Key Technology version	1,00
Discrete graphics card memory	2 GB	Intel TSX-NI version	0,00
Discrete graphics memory type	GDDR3	Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Intel Dual Display Capable Technology	✗
Discrete graphics card *	✓	Intel FDI Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel Rapid Storage Technology	✗
On-board graphics card model *	Intel® HD Graphics 4600	Intel Fast Memory Access	✗
On-board graphics card base frequency	400 MHz	Processor ARK ID	75104
On-board graphics card dynamic frequency (max)	1100 MHz	Conflict-Free processor	✓
Maximum on-board graphics card memory	2 GB	Battery	
On-board graphics card DirectX version	11.1	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card ID	0x416	Number of battery cells	4
Audio		Battery capacity *	48 Wh
Audio system	Dolby Home Theater	Battery life (max)	6 h
Number of built-in speakers	2	Power	
Speaker power	2 W	AC adapter power	90 W
Built-in microphone	✓	DC-in jack	✓
Camera		Security	
Front camera	✓	Cable lock slot	✓
Front camera resolution	1280 x 720 pixels	Cable lock slot type	Kensington
Network		Password protection	✓
Wi-Fi	✓	Certificates	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Compliance certificates	RoHS
Ethernet LAN	✓	Weight & dimensions	
Ethernet LAN data rates	10,100 Mbit/s	Width	380 mm
Bluetooth	✓	Depth	266 mm
Ports & interfaces		Height	25,6 mm
USB 2.0 ports quantity *	1	Weight *	2,2 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		
Ethernet LAN (RJ-45) ports	1		

Ports & interfaces		Packaging content	
HDMI ports quantity *	1	AC adapter included *	✓
DVI port	✗	Manual	✓
VGA (D-Sub) ports quantity	1	Power cord included	✓
S/PDIF out port	✗	Other features	
Microphone in	✗	Maximum internal memory (64-bit)	16 GB
Combo headphone/mic port	✓	Intel® Virtualization Technology (Intel® VT)	VT-x
Docking connector	✗		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
Performance			
Motherboard chipset	Intel® HM86		
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	✓		
Full-size keyboard	✓		

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.