

□ IdeaPad Z510 □ ® □ [™] i5 i5-4200M □ 39.6 cm (15.6") Full HD 8 GB DDR3-SDRAM 1 TB HDD □ NVIDIA® GeForce® GT 740M Windows 8.1 □, □

: Lenovo

IdeaPad

2510-00807

Z510

 □ IdeaPad Z510.
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 i5, □□::
 i5-4200M, □□□□:
 2.5 GHz.
 □□□□□□:

 39.6 cm (15.6"), HD □:
 Full HD, □□□□0:
 1920 x 1080 □.
 □□□□0:
 8 GB, □□0:
 DDR3-SDRAM.
 □□□0:
 1 TB,

 □□□1:
 HDD □:
 OU0:
 DVD Super Multi DL.
 □□□00:
 Windows 8.1.
 □□0:
 □



Design Keyboard Product type * Laptop Numeric keypad * 1 Product colour * Black, Silver 1 Island-style keyboard Form factor * Clamshell Full-size keyboard Display Windows keys 39.6 cm (15.6") Display diagonal * Software 1920 x 1080 pixels Display resolution * Operating system architecture 64-bit Touchscreen * × Operating system installed * Windows 8.1 HD type Full HD Processor special features LED backlight 1 Intel® Wireless Display (Intel® 16:9 Native aspect ratio 1 WiDi) Processor Intel® My WiFi Technology (Intel® x MWT) Processor manufacturer * Intel Intel Smart Connect Technology × Processor family * Intel® Core[™] i5 Processor generation 4th gen Intel® Core[™] i5 Intel® Anti-Theft Technology (Intel® AT) Processor model * i5-4200M Intel[®] Rapid Start Technology X 2 Processor cores Intel® Smart Response Technology Processor threads 4 X 3.1 GHz Intel® Identity Protection Processor boost frequency Technology (Intel® IPT) 2.5 GHz Processor frequency * Intel® Hyper Threading Technology 5 GT/s System bus rate (Intel® HT Technology) Processor cache 3 MB Intel® Turbo Boost Technology 2.0 Processor cache type Smart Cache Intel® Matrix Storage Technology × Processor socket PGA946 (Intel® MST) Processor lithography 22 nm Intel® High Definition Audio (Intel® × Processor operating modes 64-bit HD Audio) Intel® Active Management Intel Core i5-4200 Mobile series Processor series × Technology (Intel® AMT) Haswell Processor codename Enhanced Intel SpeedStep Bus type DMI Technology **FSB** Parity x Intel® Clear Video HD Technology 1 C0 Stepping (Intel® CVT HD) Thermal Design Power (TDP) 37 W Intel Clear Video Technology × 100 °C Tjunction Intel® InTru[™] 3D Technology 1

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel® Insider™	1
PCI Express slots version	3.0	Intel® Quick Sync Video Technology	1
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Flex Memory Access	×
ECC supported by processor	×	Intel® Smart Cache	✓
Memory		Intel® AES New Instructions (Intel® AES-NI)	1
Internal memory *	8 GB	Intel Trusted Execution Technology	×
Internal memory type	DDR3-SDRAM	Intel Enhanced Halt State	×
Memory clock speed Memory slots	1600 MHz 2x SO-DIMM	Intel VT-x with Extended Page Tables (EPT)	1
Maximum internal memory *	16 GB	Intel Demand Based Switching	×
Storage		Intel [®] Secure Key	<i>✓</i>
Total storage capacity *	1 TB	Intel TSX-NI	×
Storage media * Number of HDDs installed	HDD 1	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	×
HDD capacity	1 TB	Intel 64	1
HDD interface HDD speed	SATA 5400 RPM	Execute Disable Bit	 Image: A second s
Optical drive type *	DVD Super Multi DL	Idle States	1
Card reader integrated		Thermal Monitoring Technologies	1
Compatible memory cards	MMC, SD	Processor package size	37.5 x 37.5 x 4.7 mm
Graphics	•	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Discrete graphics card model *	NVIDIA® GeForce® GT 740M	Processor code	SR1HA
Discrete graphics card memory	2 GB	CPU configuration (max)	1
On-board graphics card *	2 OD	Embedded options available	×
Discrete graphics card *	1	Intel Virtualization Technology for Directed I/O (VT-d)	×
On-board graphics card family On-board graphics card model *	Intel [®] HD Graphics Intel [®] HD Graphics 4600	Intel Identity Protection Technology version	1.00
On-board graphics card base frequency	400 MHz	Intel Secure Key Technology version Intel TSX-NI version	1.00 0.00
On-board graphics card dynamic frequency (max)	1150 MHz	Intel Virtualization Technology (VT- x)	1
Maximum on-board graphics card memory	1.74 GB	Intel Dual Display Capable Technology	×
On-board graphics card DirectX version	11.1	Intel FDI Technology	×
On-board graphics card ID	0x416	Intel Rapid Storage Technology	×
Audio		Intel Fast Memory Access	×
	Dolby Homo Theater	Processor ARK ID	76348
Audio system Number of built-in speakers	Dolby Home Theater 2	Conflict-Free processor	1
Speaker power	2 W	Battery	
Built-in microphone	1	Battery technology	Lithium-Ion (Li-Ion)
Camera		Number of battery cells	4
Front camera	1	Battery life (max)	5 h
		Power	
Network		DC-in jack	✓
Wi-Fi	✓	Security	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Cable lock slot	1
Ethernet LAN Ethernet LAN data rates	10,100 Mbit/s	Cable lock slot type	Kensington
Bluetooth	10,100 Mbit/S	Weight & dimensions	
Bluetooth version	4.0	Width	375 mm
		Depth	263 mm
Ports & interfaces	2	Height	25.4 mm
USB 2.0 ports quantity * USB 3.2 Gen 1 (3.1 Gen 1) Type-A	2	Weight *	2.2 kg
ports quantity *	1	Packaging content	
Ethernet LAN (RJ-45) ports	1	AC adapter included *	1
HDMI ports quantity *	1		

orts & interfaces	
DVI port	×
VGA (D-Sub) ports quantity	1
S/PDIF out port	×
Microphone in	×
Combo headphone/mic port	1
Docking connector	×
ExpressCard slot	×
CardBus PCMCIA slot type	×

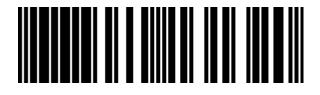
Pointing device

Keyboard

SmartCard slot

Touchpad

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