



## Lenovo IdeaPad Y510p Intel® Core™ i7 i7-4700MQ Laptop 39,6 cm (15.6") Full HD 8 GB DDR3-SDRAM 1,02 TB HDD+SSD NVIDIA® GeForce® GT 750M Hitam

**Brand :** Lenovo

**Product family:** IdeaPad

**Product code:** 59401273

**Product name :** Y510p

Lenovo IdeaPad Y510p. Jenis produk: Laptop, Faktor bentuk: Kulit kerang. Keluarga prosesor: Intel® Core™ i7, Model prosesor: i7-4700MQ, Frekuensi prosesor: 2,4 GHz. Diagonal layar: 39,6 cm (15.6"), Tipe HD: Full HD, Resolusi layar: 1920 x 1080 piksel. Memori internal: 8 GB, Tipe memori internal: DDR3-SDRAM. Total kapasitas penyimpanan: 1,02 TB, Media penyimpanan: HDD+SSD. Model adaptor grafis pada papan induk: Intel® HD Graphics 4600, Model adaptor grafis diskrit: NVIDIA® GeForce® GT 750M. Warna produk: Hitam



Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product colour *	Black	Numeric keypad *	✓
Form factor *	Clamshell	Keyboard backlit	✓
Display		Full-size keyboard	✓
Display diagonal *	39.6 cm (15.6")	Windows keys	✓
Display resolution *	1920 x 1080 pixels	Software	
HD type	Full HD	Operating system installed *	✗
LED backlight	✓	Processor special features	
Native aspect ratio	16:9	Intel® Wireless Display (Intel® WiDi)	✓
Processor		Intel® My WiFi Technology (Intel® MWT)	✓
Processor manufacturer *	Intel	Intel Smart Connect Technology	✗
Processor family *	Intel® Core™ i7	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor generation	4th gen Intel® Core™ i7	Intel® Rapid Start Technology	✗
Processor model *	i7-4700MQ	Intel® Smart Response Technology	✗
Processor cores	4	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor threads	8	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor boost frequency	3.4 GHz	Intel® Turbo Boost Technology	2.0
Processor frequency *	2.4 GHz	Intel® Small Business Advantage (Intel® SBA)	✗
Processor cache	6 MB	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor cache type	Smart Cache	Intel® High Definition Audio (Intel® HD Audio)	✗
Processor socket	PGA946	Intel® Active Management Technology (Intel® AMT)	✗
Processor lithography	22 nm	Enhanced Intel SpeedStep Technology	✓
Processor operating modes	64-bit	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor series	Intel Core i7-4700 Mobile series	Intel Clear Video Technology	✗
Processor codename	Haswell	Intel® InTru™ 3D Technology	✓
Bus type	DMI2		
FSB Parity	✗		
Stepping	C0		
Thermal Design Power (TDP)	47 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	3.0		
PCI Express configurations	1x16, 2x8, 1x8+2x4		

Processor		Processor special features	
ECC supported by processor	✗	Intel® Insider™	✓
Memory		Intel® Quick Sync Video Technology	✓
Internal memory *	8 GB	Intel Flex Memory Access	✗
Internal memory type	DDR3-SDRAM	Intel® Smart Cache	✓
Memory clock speed	1600 MHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory form factor	SO-DIMM	Intel Trusted Execution Technology	✗
Memory slots	2x SO-DIMM	Intel Enhanced Halt State	✓
Maximum internal memory *	16 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Storage		Intel Demand Based Switching	✗
Total storage capacity *	1.02 TB	Intel® Secure Key	✓
Storage media *	HDD+SSD	Intel TSX-NI	✗
Number of HDDs installed	1	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
HDD capacity	1 TB	Intel 64	✓
HDD interface	SATA	Execute Disable Bit	✓
HDD speed	5400 RPM	Idle States	✓
HDD size	2.5"	Thermal Monitoring Technologies	✓
Number of SSDs installed	1	Processor package size	37.5 x 32 x 1.6 mm
SSD capacity	24 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Card reader integrated	✓	Processor code	SR15H
Compatible memory cards	Memory Stick (MS), MMC, MS PRO, SD, SDHC, xD	CPU configuration (max)	1
Graphics		Embedded options available	✗
Discrete graphics card model *	NVIDIA® GeForce® GT 750M	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Discrete graphics card memory	2 GB	Intel Identity Protection Technology version	1.00
Discrete graphics memory type	GDDR5	Intel Secure Key Technology version	1.00
On-board graphics card *	✓	Intel TSX-NI version	0.00
Discrete 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	75117
On-board graphics card DirectX version	11.1	Conflict-Free processor	✓
On-board graphics card ID	0x416		
Number of discrete graphics cards installed	1		
Audio		Battery	
Audio system	Dolby Home Theater 4	Battery technology	Lithium-Ion (Li-Ion)
Number of built-in speakers	2	Number of battery cells	6
Speakers manufacturer	JBL	Battery life (max)	5 h
Speaker power	1.5 W		
Built-in microphone	✓	Power	
Camera		DC-in jack	✓
Front camera	✓	Security	
Front camera resolution	1280 x 720 pixels	Cable lock slot	✗
Network		Password protection	✓
Wi-Fi	✓	Weight & dimensions	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Width	387 mm
Ethernet LAN	✓	Depth	259 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Height (front)	1.55 cm
Bluetooth	✓	Height (rear)	3.66 cm
Bluetooth version	4.0	Weight *	2.7 kg
		Packaging content	
		AC adapter included *	✓

Ports & interfaces		Packaging content	
USB 2.0 ports quantity *	1	Manual	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Power cord included	✓
Ethernet LAN (RJ-45) ports	1	Other features	
HDMI ports quantity *	1	Maximum internal memory (64-bit)	16 GB
DVI port	✗	Intel® Virtualization Technology (Intel® VT)	VT-x
VGA (D-Sub) ports quantity	1		
Headphone outputs	1		
S/PDIF out port	✗		
Microphone in	✓		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
USB Sleep-and-Charge	✓		
Performance			
Motherboard chipset	Intel® HM86		

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