



## Lenovo IdeaPad Flex 2 14 Intel® Core™ i7 i7-4510U Hybrid (2-in-1) 35.6 cm (14") Touchscreen Full HD 8 GB DDR3L-SDRAM 1 TB HDD NVIDIA® GeForce® GT 840M Windows 8.1 White

**Brand :** Lenovo

**Product family:** IdeaPad

**Product code:** 59422573

**Product name :** Flex 2 14



14" (1920 x 1080, LED, Touch), Intel Core i7-4510U, 8GB (DDR3L), 1TB (HDD), Windows 8.1 (64 bit), NVIDIA GeForce GT 840M (4GB), 802.11 b/g/n, 2 x USB 2.0, 1 x USB 3.0, 1 x HDMI, 1 x LAN, 1.9 kg  
Lenovo IdeaPad Flex 2 14. Product type: Hybrid (2-in-1), Form factor: Convertible (Fold-back screen).  
Processor family: Intel® Core™ i7, Processor: i7-4510U, Processor frequency: 2 GHz. Display diagonal:  
35.6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Touchscreen. Internal memory:  
8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: HDD.  
Operating system installed: Windows 8.1. Product colour: White

Design		Ports & interfaces	
Product type *	Hybrid (2-in-1)	Docking connector	×
Product colour *	White	ExpressCard slot	×
Form factor *	Convertible (Fold-back screen)	CardBus PCMCIA slot type	×
Display		SmartCard slot	×
Touch screen type	Capacitive	Number of SATA III connectors	4
Display diagonal *	35.6 cm (14")	Keyboard	
Display resolution *	1920 x 1080 pixels	Pointing device	Touchpad
Touchscreen *	✓	Numeric keypad *	×
HD type	Full HD	Software	
Touch technology	Multi-touch	Operating system architecture	64-bit
LED backlight	✓	Operating system installed *	Windows 8.1
Native aspect ratio	16:9	Processor special features	
Processor		Intel Wireless Display (WiDi) Technology	✓
Processor manufacturer *	Intel	Intel My WiFi Technology	×
Processor family *	Intel® Core™ i7	Intel Smart Connect Technology	✓
Processor generation	4th gen Intel® Core™ i7	Intel Anti-Theft Technology	✓
Processor *	i7-4510U	Intel Identity Protection Technology	✓
Processor number of cores	2	Intel Hyper-Threading Technology	✓
Processor threads	4	Intel Turbo Boost Technology	2.0
Processor boost frequency	3.1 GHz	Intel HD Audio Technology	✓
Processor frequency *	2 GHz	Enhanced Intel SpeedStep Technology	✓
System bus data transfer rate	5 GT/s	Intel Clear Video HD Technology	✓
Processor cache	4 MB	Intel Clear Video Technology	×
Processor cache type	Smart Cache	Intel® InTru™ 3D Technology	✓
Processor socket	BGA 1168	Intel® Insider™	✓
Processor lithography	22 nm	Intel® Quick Sync Video Technology	✓
Processor operating modes	64-bit	Intel Flex Memory Access	×
Processor series	Intel Core i7-4500 Mobile series	Intel® Smart Cache	✓
Processor codename	Haswell	Intel AES New Instructions	✓
Bus type	DMI2	Intel Trusted Execution Technology	×
FSB Parity	×	Intel Enhanced Halt State	✓
Stepping	D0		
Thermal Design Power (TDP)	15 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	12		

Processor		Processor special features	
PCI Express slots version	2.0	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express configurations	4x1, 2x4	Intel Demand Based Switching	✗
ECC supported by processor	✗	Intel® Secure Key	✓
Memory		Intel TSX-NI	✗
Internal memory *	8 GB	Intel Clear Video Technology for MID	✗
Internal memory type	DDR3L-SDRAM	Intel 64	✓
Memory clock speed	1600 MHz	Execute Disable Bit	✓
Memory form factor	SO-DIMM	Idle States	✓
Memory slots	2x SO-DIMM	Thermal Monitoring Technologies	✓
Memory, maximum *	16 GB	Processor package size	40 x 24 x 1.5 mm
Storage		Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Total storage capacity *	1 TB	Processor code	SR1EB
Storage media *	HDD	CPU configuration (max)	1
Number of HDDs installed	1	Embedded options available	✗
Hard drive capacity	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Hard drive interface	SATA	Intel Smart Connect Technology version	1.00
Hard drive rotational speed	5400 RPM	Intel Identity Protection Technology version	1.00
Optical drive *	✗	Intel Secure Key Technology version	1.00
Card reader integrated	✓	Intel ME Firmware Version	9.5
Compatible memory cards	MMC, SD	Intel TSX-NI version	0.00
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete graphics card model *	NVIDIA® GeForce® GT 840M	Intel Dual Display Capable Technology	✗
Discrete graphics card memory	4 GB	Intel FDI Technology	✓
On-board graphics card *	✓	Intel Rapid Storage Technology	✓
Discrete graphics card *	✓	Intel Fast Memory Access	✗
On-board graphics card family	Intel® HD Graphics	Processor ARK ID	81015
On-board graphics card model *	Intel® HD Graphics 4400	Conflict-Free processor	✓
On-board graphics card base frequency	200 MHz	Battery	
On-board graphics card dynamic frequency (max)	1100 MHz	Battery technology	Lithium-Ion (Li-Ion)
Maximum on-board graphics card memory	1.74 GB	Number of battery cells	4
On-board graphics card DirectX version	11.2/12	Battery capacity	3400 mAh
On-board graphics card OpenGL version	4.3	Battery capacity *	42 Wh
On-board graphics card ID	0xA16	Battery life (max)	6 h
Audio		Power	
Audio system	Dolby Advanced Audio	AC adapter frequency	50 - 60 Hz
Number of built-in speakers	2	AC adapter input voltage	100 - 240 V
Built-in microphone	✓	DC-in jack	✓
Camera		Security	
Front camera	✓	Cable lock slot	✓
Front camera resolution	1280 x 720 pixels	Weight & dimensions	
Network		Width	343 mm
Wi-Fi	✓	Depth	254 mm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Height	20.3 mm
Ethernet LAN connection	✓	Weight *	1.9 kg
Ethernet LAN data rates	10,100,1000 Mbit/s	Other features	
Bluetooth	✓	LightScribe	✗
Bluetooth version	4.0	Maximum internal memory (64-bit)	16 GB
Ports & interfaces		Intel Virtualization Technology	VT-x
USB 2.0 ports quantity *	2		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1		
Ethernet LAN (RJ-45) ports	1		

Ports & interfaces

HDMI ports quantity *	1
DVI port	×
S/PDIF out port	×
Microphone in	×
Combo headphone/mic port	✓

## Catalog Object Cloud



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