



## Lenovo ThinkPad L440 Intel® Core™ i5 i5-4200M Computadora portátil 35,6 cm (14") HD 4 GB DDR3L-SDRAM 500 GB Unidad de disco duro NVIDIA® GeForce® GT 720M Windows 8 Negro

**Marca :** Lenovo

**Familia de productos:**  
ThinkPad

**Código del producto:**  
20AT0019CD

**Nombre del producto :** L440

Lenovo ThinkPad L440. Tipo de producto: Computadora portátil, Factor de forma: Concha. Familia de procesador: Intel® Core™ i5, Modelo del procesador: i5-4200M, Frecuencia del procesador: 2,5 GHz. Diagonal de la pantalla: 35,6 cm (14"), Tipo HD: HD, Resolución de la pantalla: 1366 x 768 Píxeles. Memoria interna: 4 GB, Tipo de memoria interna: DDR3L-SDRAM. Capacidad total de almacenaje: 500 GB, Unidad de almacenamiento: Unidad de disco duro, Tipo de unidad óptica: DVD±RW. Sistema operativo instalado: Windows 8. Color del producto: Negro



Design		Ports & interfaces	
Product type *	Laptop	Microphone in	✗
Product colour *	Black	Combo headphone/mic port	✓
Form factor *	Clamshell	Docking connector	✓
Market positioning	High performance	CardBus PCMCIA slot type	✗
Display		USB Sleep-and-Charge	✓
Display diagonal *	35.6 cm (14")	USB Sleep-and-Charge ports	1
Display resolution *	1366 x 768 pixels	Keyboard	
Touchscreen *	✗	Pointing device	ThinkPad UltraNav
HD type	HD	Numeric keypad *	✗
LED backlight	✓	Spill-resistant keyboard	✓
Native aspect ratio	16:9	Full-size keyboard	✓
Processor		Windows keys	✓
Processor manufacturer *	Intel	Software	
Processor family *	Intel® Core™ i5	Operating system architecture	64-bit
Processor generation	4th gen Intel® Core™ i5	Operating system installed *	Windows 8
Processor model *	i5-4200M	Processor special features	
Processor cores	2	Intel® Wireless Display (Intel® WiDi)	✓
Processor threads	4	Intel® My WiFi Technology (Intel® MWT)	✗
Processor boost frequency	3.1 GHz	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor frequency *	2.5 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
System bus rate	5 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache	3 MB	Intel® Turbo Boost Technology	2.0
Processor cache type	Smart Cache	Enhanced Intel SpeedStep Technology	✓
Processor socket	PGA946		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i5-4200 Mobile series		
Processor codename	Haswell		
Bus type	DMI		

Processor		Processor special features	
FSB Parity	✗	Intel® Built-in Visuals Technology	✓
Stepping	C0	Intel HD Graphics	✓
Thermal Design Power (TDP)	37 W	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Tjunction	100 °C	Intel Clear Video Technology	✗
Maximum number of PCI Express lanes	16	Intel® InTru™ 3D Technology	✓
PCI Express slots version	3.0	Intel® Insider™	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Quick Sync Video Technology	✓
ECC supported by processor	✗	Intel Flex Memory Access	✗
Memory		Intel® Smart Cache	✓
Internal memory *	4 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Internal memory type	DDR3L-SDRAM	Intel Trusted Execution Technology	✗
Memory clock speed	1600 MHz	Intel Enhanced Halt State	✗
Memory form factor	SO-DIMM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	2x SO-DIMM	Intel Demand Based Switching	✗
Maximum internal memory *	16 GB	Intel® Secure Key	✓
Storage		Intel TSX-NI	✗
Total storage capacity *	500 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Storage media *	HDD	Intel 64	✓
Number of HDDs installed	1	Execute Disable Bit	✓
HDD capacity	500 GB	Idle States	✓
HDD speed	7200 RPM	Thermal Monitoring Technologies	✓
HDD size	2.5"	Processor package size	37.5 x 37.5 x 4.7 mm
Optical drive type *	DVD±RW	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Card reader integrated	✓	Processor code	SR1HA
Compatible memory cards	MMC, SD, SDHC, SDXC	CPU configuration (max)	1
Graphics		Embedded options available	✗
Discrete graphics card model *	NVIDIA® GeForce® GT 720M	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Discrete graphics card memory	1 GB	Intel Identity Protection Technology version	1.00
On-board graphics card *	✓	Intel Secure Key Technology version	1.00
Discrete graphics card *	✓	Intel TSX-NI version	0.00
On-board graphics card family	Intel® HD Graphics	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® HD Graphics 4600	Intel Dual Display Capable Technology	✗
On-board graphics card base frequency	400 MHz	Intel FDI Technology	✗
On-board graphics card dynamic frequency (max)	1150 MHz	Intel Rapid Storage Technology	✗
Maximum on-board graphics card memory	1.74 GB	Intel Fast Memory Access	✗
On-board graphics card DirectX version	11.1	Processor ARK ID	76348
On-board graphics card OpenGL version	4.3	Conflict-Free processor	✓
On-board graphics card ID	0x416	Power	
Graphics card Open GL support	✓	AC adapter power	65 W
Audio		DC-in jack	✓
Number of built-in speakers	2	Security	
Speaker power	2 W	Cable lock slot	✓
Built-in microphone	✓	Fingerprint reader	✓
Camera		Password protection	✓
Front camera	✓	Weight & dimensions	
Network		Width	344 mm
Wi-Fi	✓	Depth	239 mm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Height (front)	2.9 cm
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		

Network		Weight & dimensions	
Bluetooth version	4.0	Height (rear)	3.42 cm
Ports & interfaces		Packaging content	
USB 2.0 ports quantity *	3	AC adapter included *	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	<b>Other features</b>	
Ethernet LAN (RJ-45) ports	1	LightScribe	✗
Mini DisplayPorts quantity	1	Intel segment tagging	Home office, Small Business
DVI port	✗		
VGA (D-Sub) ports quantity	1		
S/PDIF out port	✗		

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