Lenovo

Lenovo ThinkPad L440 Intel® Core™ i3 i3-4000M Computadora portátil 35.6 cm (14") 4 GB DDR3-SDRAM 500 GB Unidad de disco duro Wi-Fi 4 (802.11n) Windows 7 Professional Negro

Marca : Lenovo	**Familia de productos:** ThinkPad	**Código del producto:** 20ASA0SQLM
Nombre del producto : L440		

Intel Core i3-4000M (3M Cache, 2.40 GHz), 4 GB DDR3, 500 GB HDD, 14.0" HD (1366 x 768), Gigabit Ethernet, WLAN, Webcam, USB 3.0, USB 2.0, VGA, Mini DisplayPort, 4-in-1 card reader, Windows 7 Professional /Windows8 64-bit

Lenovo ThinkPad L440. Tipo de producto: Computadora portátil, Factor de forma: Concha. Familia de procesador: Intel® Core™ i3, Modelo del procesador: i3-4000M, Frecuencia del procesador: 2.4 GHz. Diagonal de la pantalla: 35.6 cm (14"), Resolución de la pantalla: 1366 x 768 Pixeles. Memoria interna: 4 GB, Tipo de memoria interna: DDR3-SDRAM. Capacidad total de almacenaje: 500 GB, Unidad de almacenamiento: Unidad de disco duro, Tipo de unidad óptica: DVD±RW. Modelo de gráficos en tarjeta: Intel® HD Graphics 4600. Sistema operativo instalado: Windows 7 Professional. Color del producto: Negro

Design

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell

Display

Display diagonal *	35.6 cm (14")
Display resolution *	1366 x 768 pixels
Touchscreen *	✗
LED backlight	✔
Native aspect ratio	16:9

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i3
Processor generation	4th gen Intel® Core™ i3
Processor model *	i3-4000M
Processor cores	2
Processor threads	4
Processor frequency *	2.4 GHz
System bus rate	5 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
Processor socket	PGA946
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
Maximum number of PCI Express lanes	16
PCI Express slots version	2.0

Software

Operating system installed *	Windows 7 Professional

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✗
Intel Smart Connect Technology	✗
Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Rapid Start Technology	✗
Intel® Smart Response Technology	✗
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	✗
Intel® Small Business Advantage (Intel® SBA)	✗
Intel® Matrix Storage Technology (Intel® MST)	✗
Intel® High Definition Audio (Intel® HD Audio)	✗
Intel® Active Management Technology (Intel® AMT)	✗
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Intel Clear Video Technology	✗
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✗
Intel® Smart Cache	✔

Processor

PCI Express configurations	1x16, 2x8, 1x8+2x4
ECC supported by processor	✘

Memory

Internal memory *	4 GB
Internal memory type	DDR3-SDRAM
Memory clock speed	1600 MHz
Memory slots	2x SO-DIMM
Maximum internal memory *	16 GB

Storage

Total storage capacity *	500 GB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	500 GB
HDD interface	SATA III
HDD speed	7200 RPM
Optical drive type *	DVD±RW
Card reader integrated	✔
Compatible memory cards	MMC, SD, SDHC, SDXC

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
Discrete graphics card *	✘
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4600
On-board graphics card base frequency	400 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
Maximum on-board graphics card memory	2 GB
On-board graphics card DirectX version	11.1
On-board graphics card ID	0x416

Audio

Audio system	Dolby Advanced
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels

Network

Wi-Fi	✔
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)
Wi-Fi standards	802.11a, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✘

Ports & interfaces

USB 2.0 ports quantity *	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Ethernet LAN (RJ-45) ports	1
Mini DisplayPorts quantity	1
DVI port	✘
VGA (D-Sub) ports quantity	1
S/PDIF out port	✘
Microphone in	✘

Processor special features

Intel® AES New Instructions (Intel® AES-NI)	✘
Intel Trusted Execution Technology	✘
Intel Enhanced Halt State	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✘
Intel® Secure Key	✔
Intel TSX-NI	✘
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	37.5 x 37.5 x 4.7 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR1HC
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✘
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	1.00
Intel TSX-NI version	0.00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✘
Intel FDI Technology	✘
Intel Rapid Storage Technology	✘
Intel Fast Memory Access	✘
Processor ARK ID	75104
Conflict-Free processor	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	6
Battery life (max)	12 h

Power

AC adapter power	65 W
DC-in jack	✔

Security

Cable lock slot	✔

Certificates

Compliance certificates	RoHS

Sustainability

Sustainability certificates	ENERGY STAR

Weight & dimensions

Width	343.9 mm
Depth	239 mm
Height	34.3 mm
Weight *	2.3 kg

Packaging content

AC adapter included *	✔

Ports & interfaces

Combo headphone/mic port	✔
ExpressCard slot	✘
CardBus PCMCIA slot type	✘
SmartCard slot	✔

Keyboard

Pointing device	ThinkPad UltraNav
Numeric keypad *	✘
Windows keys	✔

Software

Operating system architecture	64-bit
Recovery operating system	Windows 8

Other features

Maximum internal memory (64-bit)	16 GB
Intel segment tagging	Home office, Small Business