



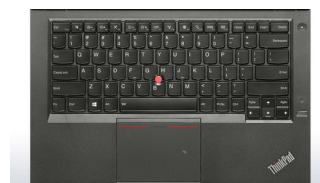
Lenovo ThinkPad T440p Intel® Core™ i5 i5-4300M Laptop 35.6 cm (14") 4 GB DDR3-SDRAM 500 GB HDD Windows 8 Pro Black

Brand : Lenovo

Product family: ThinkPad

Product code: 20AW0004GE

Product name : T440p



Intel Core i5-4300M (2.6 GHz), 4GB RAM, 500GB HDD, 14.0" HD (1366x768) TN, Intel HD Graphics 4600, Intel QM87, Windows 8 Pro 64

Lenovo ThinkPad T440p. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor: i5-4300M, Processor frequency: 2.6 GHz. Display diagonal: 35.6 cm (14"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive: DVD±RW. On-board graphics card model: Intel® HD Graphics 4600. Operating system installed: Windows 8 Pro. Product colour: Black

Design		Performance	
Product type *	Laptop	Chipset	Intel® QM87
Product colour *	Black	Keyboard	
Form factor *	Clamshell	Numeric keypad *	✗
Housing material	Plastic	Spill-resistant keyboard	✓
Market positioning	Business	Windows keys	✓
Display		Software	
Display diagonal *	35.6 cm (14")	Operating system architecture	64-bit
Display resolution *	1366 x 768 pixels	Operating system installed *	Windows 8 Pro
Touchscreen *	✗	Processor special features	
HD type	Not supported	Intel Wireless Display (WiDi) Technology	✓
Panel type	TN	Intel My WiFi Technology	✗
LED backlight	✓	Intel Anti-Theft Technology	✓
Native aspect ratio	16:9	Intel Identity Protection Technology	✓
Display brightness	200 cd/m²	Intel Hyper-Threading Technology	✓
Dual-screen	✗	Intel Turbo Boost Technology	2.0
Contrast ratio (typical)	300:1	Enhanced Intel SpeedStep Technology	✓
Processor		Intel Clear Video HD Technology	✓
Processor manufacturer *	Intel	Intel Clear Video Technology	✗
Processor family *	Intel® Core™ i5	Intel® InTru™ 3D Technology	✓
Processor generation	4th gen Intel® Core™ i5	Intel® Insider™	✓
Processor *	i5-4300M	Intel® Quick Sync Video Technology	✓
Processor number of cores	2	Intel Flex Memory Access	✗
Processor threads	4	Intel® Smart Cache	✓
Processor boost frequency	3.3 GHz	Intel AES New Instructions	✓
Processor frequency *	2.6 GHz	Intel Trusted Execution Technology	✓
System bus data transfer rate	5 GT/s	Intel Enhanced Halt State	✗
Processor cache	3 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache type	Smart Cache	Intel Demand Based Switching	✗
Processor socket	PGA946	Intel® Secure Key	✓
Processor lithography	22 nm	Intel TSX-NI	✗
Processor operating modes	64-bit	Intel Clear Video Technology for MID	✗
Processor series	Intel Core i5-4300 Mobile series		
Processor codename	Haswell		
Bus type	DMI		
FSB Parity	✗		
Stepping	C0		

Processor		Processor special features	
Thermal Design Power (TDP)	37 W	Intel 64	✓
Tjunction	100 °C	Execute Disable Bit	✓
Maximum number of PCI Express lanes	16	Idle States	✓
PCI Express slots version	3.0	Thermal Monitoring Technologies	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Processor package size	37.5 x 37.5 x 4.7 mm
ECC supported by processor	✗	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory		Processor code	SR1H9
Internal memory *	4 GB	CPU configuration (max)	1
Internal memory type	DDR3-SDRAM	Embedded options available	✗
Memory clock speed	1600 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory form factor	SO-DIMM	Intel Identity Protection Technology version	1.00
Memory layout (slots x size)	1 x 4 GB	Intel Secure Key Technology version	1.00
Memory slots	2x SO-DIMM	Intel TSX-NI version	0.00
Memory, maximum *	16 GB	Intel Virtualization Technology (VT-x)	✓
Storage		Intel Dual Display Capable Technology	✗
Total storage capacity *	500 GB	Intel FDI Technology	✗
Storage media *	HDD	Intel Rapid Storage Technology	✗
Number of HDDs installed	1	Intel Fast Memory Access	✗
Hard drive capacity	500 GB	Processor ARK ID	76347
Hard drive interface	SATA III	Conflict-Free processor	✓
Hard drive rotational speed	7200 RPM	Battery	
Hard drive size	2.5"	Battery technology	Lithium-Ion (Li-Ion)
Optical drive *	DVD±RW	Number of battery cells	6
Card reader integrated	✓	Battery capacity *	56 Wh
Compatible memory cards	MMC, SD, SDHC, SDXC	Battery life (max)	7.4 h
Graphics		Power	
Discrete graphics card model *	Not available	AC adapter power	65 W
On-board graphics card *	✓	AC adapter frequency	50 - 60 Hz
Discrete graphics card *	✗	AC adapter input voltage	100 - 240 V
On-board graphics card family	Intel® HD Graphics	DC-in jack	✓
On-board graphics card model *	Intel® HD Graphics 4600	Security	
On-board graphics card base frequency	400 MHz	Cable lock slot	✗
On-board graphics card dynamic frequency (max)	1250 MHz	Fingerprint reader	✓
Maximum on-board graphics card memory	1.74 GB	Trusted Platform Module (TPM)	✓
On-board graphics card DirectX version	11.1	Password protection	✓
On-board graphics card ID	0x416	Password protection type	HDD, Power on, Supervisor
Audio		Operational conditions	
Audio system	HD	Operating temperature (T-T)	5 - 35 °C
Number of built-in speakers	2	Storage temperature (T-T)	5 - 43 °C
Speaker power	1 W	Operating relative humidity (H-H)	8 - 95%
Built-in microphone	✓	Storage humidity	5 - 95%
Camera		Operating altitude	0 - 2438 m
Front camera	✓	Certificates	
Front camera resolution	1280 x 720 pixels	Compliance certificates	RoHS
Network		Sustainability	
Wi-Fi	✓	Sustainability certificates	EPEAT Gold, ENERGY STAR
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight & dimensions	
Ethernet LAN connection	✓	Width	335 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth	229.1 mm
Bluetooth	✓	Height (front)	2.79 cm
Bluetooth version	4.0	Height (rear)	3 cm
		Weight *	2.14 kg

Ports & interfaces		Packaging content	
USB 2.0 ports quantity *	2	AC adapter included *	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Manual	✓
Ethernet LAN (RJ-45) ports	1	Quick start guide	✓
Mini DisplayPorts quantity	1	Power cord included	✓
DVI port	✗	Other features	
VGA (D-Sub) ports quantity	1	LightScribe	✗
Headphone outputs	1	TV tuner integrated	✗
S/PDIF out port	✗	Intel segment tagging	Home office, Small Business
Microphone in	✓		
Combo headphone/mic port	✓		
Docking connector	✓		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
USB Sleep-and-Charge	✓		
USB Sleep-and-Charge ports	1		

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