



Lenovo ThinkPad T450 Intel® Core™ i5 i5-5300U Laptop 35,6 cm (14") HD+ 8 GB DDR3L-SDRAM 516 GB HDD+SSD Windows 7 Professional Zwart, Grafiet

Merk : Lenovo

Productfamilie: ThinkPad

Artikelcode: 20BV0002US

Productnaam : ThinkPad T450

Lenovo ThinkPad T450. Producttype: Laptop, Vormfactor: Clamshell. Processorfamilie: Intel® Core™ i5, Processormodel: i5-5300U, Frequentie van processor: 2,3 GHz. Beeldscherm diagonaal: 35,6 cm (14"), HD type: HD+, Resolutie: 1600 x 900 Pixels. Intern geheugen: 8 GB, Intern geheugentype: DDR3L-SDRAM. Totale opslagcapaciteit: 516 GB, Opslagmedia: HDD+SSD. On-board graphics adapter model: Intel® HD Graphics 5500. Inclusief besturingssysteem: Windows 7 Professional. Kleur van het product: Zwart, Grafiet



Design		Toetsenbord	
Producttype *	Laptop	Aanwijsapparaat	ThinkPad UltraNav
Kleur van het product *	Zwart, Grafiet	Numeriek toetsenblok *	✗
Vormfactor *	Clamshell	Keyboard met achtergrondverlichting	✓
Markt positionering	Bedrijf	Morsbestendig toetsenbord	✓
Beeldscherm		Software	
Beeldscherm diagonaal *	35,6 cm (14")	Architectuur besturingssysteem	64-bit
Resolutie *	1600 x 900 Pixels	Herstel besturingssysteem	Windows 8.1 Pro
Touchscreen *	✗	Inclusief besturingssysteem *	Windows 7 Professional
HD type	HD+	Processor speciale functies	
LED backlight	✓	Intel Wireless Display Technology	✓
Oorspronkelijke beeldverhouding	16:9	Intel My WiFi Technology	✗
Beeldoppervlakte	Mat	Intel Anti-Theft Technology	✗
Helderheid	250 cd/m²	Intel® Smart Response Technology	✓
Typische contrastverhouding	400:1	Intel Identity Protection Technology	✓
Processor		Intel Hyper-Threading Technology	✓
Processorfabrikant *	Intel	Intel® Turbo Boost Technology	2.0
Processorfamilie *	Intel® Core™ i5	Intel Small Business Advantage (SBA)	✓
Processorgeneratie	Vijfde generatie Intel® Core™ i5	Enhanced Intel SpeedStep Technology	✓
Processormodel *	i5-5300U	Intel Clear Video HD Technology	✓
Aantal processorkernen	2	Intel® Clear Video-technologie	✓
Processor aantal threads	4	Intel® InTru™ 3D Technology	✓
Maximale turbofrequentie van processor	2,9 GHz	Intel® Insider™	✓
Frequentie van processor *	2,3 GHz	Intel® Quick Sync Video Technology	✓
Systeembus	5 GT/s	Intel Flex Memory Access	✓
Processor cache	3 MB	Intel® Smart Cache	✓
Type processorgeheugen	L3	Intel AES New Instructions	✓
Processor socket	BGA 1168	Intel Trusted Execution Technology	✓
Processor lithografie	14 nm	Intel Enhanced Halt State	✓
Processor operating modes	32-bit, 64-bit		
Processorserie	Intel® Core™ i5-5300 Mobile Series		
Codenaam processor	Broadwell		

Processor		Processor speciale functies	
Bus type	DMI2	Intel VT-x with Extended Page Tables (EPT)	✓
FSB Parity	✗	Intel Demand Based Switching	✗
Stepping	F0	Intel Secure Key	✓
Thermal Design Power (TDP)	15 W	Intel TSX-NI	✓
Configureerbare TDP-down	7,5 W	Intel Stable Image Platform Program (SIPP)	✓
Configureerbare TDP-downfrequentie	0,6 GHz	OS Guard	✓
Tjunction	105 °C	Intel Clear Video Technology for MID	✓
Maximaal aantal PCI Express-lijnen	12	Intel® 64	✓
PCI Express slots versie	2.0	Execute Disable Bit	✓
PCI Express configuraties	4x1, 2x4	Idle States	✓
ECC ondersteund door processor	✗	Thermal Monitoring Technologies	✓
Geheugen		Verpakkingsgrootte processor	40 x 24 x 1.3 mm
Intern geheugen *	8 GB	Ondersteunde instructie sets	AVX 2.0
Intern geheugentype	DDR3L-SDRAM	Processorcode	SR23X
Kloksnelheid geheugen	1600 MHz	CPU configuratie (max)	1
Geheugenlayout	1 x 8 GB	Ingebouwde opties beschikbaar	✗
Geheugenslots	2x SO-DIMM	Graphics & IMC lithografie	14 nm
Maximum intern geheugen *	16 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Opslagmedia		Versie Intel® Identity Protection Technology	1,00
Totale opslagcapaciteit *	516 GB	Versie Intel® Smart Response Technology	1,00
Opslagmedia *	HDD+SSD	Versie Intel® Stable Image Platform Program (SIPP)	1,00
Het aantal geïnstalleerde harde schijven	1	Versie Intel® Secure Key Technology	1,00
Opslagcapaciteit harde schijf	500 GB	Intel Small Business Advantage (SBA)-versie	1,00
Harde schijf-interface	SATA III	Versie Intel® TSX-NI	1,00
Rotatiesnelheid harde schijf	7200 RPM	Intel® Virtualization Technology (VT-x)	✓
Aantal geïnstalleerde SSD's	1	Intel Dual Display Capable Technology	✗
Solid State Drive (SSD) capaciteit	16 GB	Intel FDI Technology	✓
Solid State Drive (SSD) interfaces	M.2	Intel Rapid Storage Technology	✗
Soort optische drive *	✗	Intel Fast Memory Access	✓
Geïntegreerde geheugenkaartlezer	✓	ARK ID processor	85213
Compatibele geheugenkaarten	MMC, SD, SDHC, SDXC	Conflictvrije processor	✓
Grafisch		Accu/Batterij	
Ingebouwde grafische adapter *	✓	Energie-opslagtechnologie accu/batterij	Lithium-Ion (Li-Ion)
Familie ingebouwde grafische adapter	Intel® HD Graphics	Energie	
On-board graphics adapter model *	Intel® HD Graphics 5500	AC-adapter, vermogen	45 W
Basisfrequentie ingebouwde grafische adapter	300 MHz	Aansluiting voor netstroomadapter	✓
Graphics on-board -adapter dynamische frequentie (max)	900 MHz	Beveiliging	
Maximaal geheugen ingebouwde grafische adapter	16 GB	Bevestigingsmogelijkheid voor kabelslot	✗
On-board grafische adapter DirectX-versie	11.2	Vingerafdruklezer	✓
On-board grafische adapter ID	0x1616	Trusted Platform Module (TPM)	✓
Audio		Wachtwoordbeveiliging	✓
Audiosysteem	HD	Password bescherming	Inschakelen, Supervisor
Aantal ingebouwde luidsprekers	2	Certificaten	
Vermogen luidsprekers	1 W	Certificaten van naleving	RoHS
Ingebouwde microfoon	✓	Duurzaamheid	
Camera		Duurzaamheidscertificaten	EPEAT Gold, ENERGY STAR
Camera voorzijde	✓		
Netwerk			
Wi-Fi	✓		
Wi-Fi-standaarden	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)		

Netwerk		Gewicht en omvang	
Ethernet LAN	✓	Breedte	339 mm
Bluetooth	✓	Diepte	232,5 mm
Bluetooth-versie	4.0	Hoogte	21 mm
Poorten & interfaces		Gewicht *	1,73 kg
Aantal poorten USB 3.2 Gen 1 (3.1 Gen 1) Type A *		Overige specificaties	
	3	LightScribe	✗
Aantal Ethernet LAN (RJ-45)-poorten	1	Intel Virtualization Technology	VT-d, VT-x
Mini DisplayPort kwantiteit	1	Intel® segment tagging	Thuis kantoor, Small Business
DVI-poort	✗		
VGA (D-Sub)poort(en)	1		
S/PDIF-uitgang	✗		
Combo koptelefoon/microfoon port	✓		
Type CardBus PCMCIA-slot	✗		
SmartCard-slot	✗		

Catalog Object Cloud



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