



# T1A Lenovo ThinkPad T450s Refurbished i5-5300U Notebook 35.6 cm (14") Full HD Intel® Core™ i5 8 GB DDR3L-SDRAM 240 GB SSD Windows 10 Pro Black



**Brand :** T1A

**Product code:** L-T450S-UK-P008

**Product name :** Lenovo ThinkPad T450s Refurbished

- Windows 10 Pro 64-bit  
 - Intel Core i5-5300U (3MB Cache, 2.3GHz)  
 - 35.6 cm (14") Full HD 1920 x 1080 IPS  
 - 8GB (1600MHz) DDR3L-SDRAM & 240GB SSD  
 Intel Core i5-5300U (3MB Cache, 2.3GHz), 8GB DDR3L-SDRAM, 240GB SSD, 35.6 cm (14") Full HD 1920 x 1080 IPS, Intel HD Graphics 5500, LAN, WLAN, Webcam, Windows 10 Pro 64-bit  
 T1A Lenovo ThinkPad T450s Refurbished. Product type: Notebook, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-5300U, Processor frequency: 2.3 GHz. Display diagonal: 35.6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 240 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 5500. Operating system installed: Windows 10 Pro. Product colour: Black



Design		Ports & interfaces	
Product type *	Notebook	Combo headphone/mic port	✓
Product colour *	Black	USB Sleep-and-Charge	✓
Form factor *	Clamshell	USB Sleep-and-Charge ports	1
Refurbished	✓	<b>Keyboard</b>	
Display		Pointing device	ThinkPad UltraNav
Display diagonal *	35.6 cm (14")	Keyboard language	UK English
Display resolution *	1920 x 1080 pixels	Numeric keypad *	✗
HD type	Full HD	Keyboard backlit	✓
Panel type	IPS	Spill-resistant keyboard	✓
LED backlight	✓	Software	
Native aspect ratio	16:9	Operating system architecture	64-bit
Display brightness	300 cd/m <sup>2</sup>	Operating system installed *	Windows 10 Pro
Contrast ratio (typical)	700:1	Processor special features	
Processor		Intel® Wireless Display (Intel® WiDi)	✓
Processor manufacturer *	Intel	Intel® Smart Response Technology	✓
Processor generation	5th gen Intel® Core™ i5	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor model *	i5-5300U	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Core™ i5	Intel® Turbo Boost Technology	2.0
Processor frequency *	2.3 GHz	Intel® Small Business Advantage (Intel® SBA)	✓
Processor boost frequency	2.9 GHz	Enhanced Intel SpeedStep Technology	✓
Processor cores	2	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor threads	4	Intel Clear Video Technology	✓
System bus rate	5 GT/s	Intel® InTru™ 3D Technology	✓
Processor cache	3 MB	Intel® Insider™	✓
Processor cache type	L3	Intel® Quick Sync Video Technology	✓
Processor socket	BGA 1168	Intel Flex Memory Access	✓
Processor lithography	14 nm	Intel® Smart Cache	✓
Processor operating modes	32-bit, 64-bit	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor series	Intel® Core™ i5-5300 Mobile Series	Intel Trusted Execution Technology	✓
Processor codename	Broadwell		
Bus type	DMI2		
Stepping	F0		
Thermal Design Power (TDP)	15 W		
Configurable TDP-down	7.5 W		
Configurable TDP-down frequency	0.6 GHz		

Processor		Processor special features	
Tjunction	105 °C	Intel Enhanced Halt State	✓
Maximum number of PCI Express lanes	12	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express slots version	2.0	Intel® Secure Key	✓
PCI Express configurations	4x1, 2x4	Intel TSX-NI	✓
Memory		Intel Stable Image Platform Program (SIPP)	✓
Internal memory *	8 GB	Intel® OS Guard	✓
Internal memory type	DDR3L-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Memory clock speed	1600 MHz	Intel 64	✓
Memory form factor	On-board + SO-DIMM	Execute Disable Bit	✓
Memory slots	2x SO-DIMM	Idle States	✓
Maximum internal memory *	12 GB	Thermal Monitoring Technologies	✓
Storage		Processor package size	40 x 24 x 1.3 mm
Total storage capacity *	240 GB	Supported instruction sets	AVX 2.0
Storage media *	SSD	Processor code	SR23X
Total SSDs capacity	240 GB	CPU configuration (max)	1
Number of SSDs installed	1	Embedded options available	✗
SSD capacity	240 GB	Graphics & IMC lithography	14 nm
Optical drive type *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Card reader integrated	✓	Intel Identity Protection Technology version	1.00
Compatible memory cards	SD, SDHC, SDXC	Intel Smart Response Technology version	1.00
Graphics		Intel Stable Image Platform Program (SIPP) version	1.00
On-board graphics card *	✓	Intel Secure Key Technology version	1.00
On-board graphics card model *	Intel® HD Graphics 5500	Intel Small Business Advantage (SBA) version	1.00
On-board graphics card base frequency	300 MHz	Intel TSX-NI version	1.00
On-board graphics card dynamic frequency (max)	900 MHz	Intel Virtualization Technology (VT-x)	✓
Maximum on-board graphics card memory	16 GB	Intel FDI Technology	✓
On-board graphics card DirectX version	11.2	Intel Fast Memory Access	✓
On-board graphics card ID	0x1616	Processor ARK ID	85213
Audio		Conflict-Free processor	✓
Audio chip	Realtek ALC3232	Security	
Number of built-in speakers	2	Cable lock slot	✓
Speaker power	2 W	Trusted Platform Module (TPM)	✓
Built-in microphone	✓	Password protection	✓
Number of microphones	2	Password protection type	HDD, Power on, Supervisor
Camera		Weight & dimensions	
Front camera	✓	Width	331 mm
Front camera HD type	HD	Depth	226 mm
Network			
Antenna type	2x2		
Ethernet LAN	✓		
Bluetooth	✓		
Bluetooth version	4.0		
Ports & interfaces			
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3		
Ethernet LAN (RJ-45) ports	1		
Mini DisplayPorts quantity	1		
VGA (D-Sub) ports quantity	1		



5711603031838

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 09-FEB-2023. Prints or copies of Information are only valid on the printed Publication date