

upcycle it ThinkPad Lenovo T480s (Refurbished) Grade A Laptop 35.6 cm (14") Full HD Intel® Core™ i5 i5-8250U 8 GB DDR4-SDRAM 256 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Pro Black



Brand : upcycle it

Product family: ThinkPad

Product code: LAP-T480S-MX-A006

Product name : Lenovo ThinkPad T480s (Refurbished) Grade A

upcycle it ThinkPad Lenovo T480s (Refurbished) Grade A. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-8250U, Processor frequency: 1.6 GHz. Display diagonal: 35.6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. Mobile network generation: 4G. Operating system installed: Windows 10 Pro. Product colour: Black



Design		Ports & interfaces	
Product type *	Laptop	Microphone in	✗
Product colour *	Black	Combo headphone/mic port	✓
Form factor *	Clamshell	Docking connector	✓
Market positioning	Business	USB Sleep-and-Charge	✓
Refurbished	✓	USB Sleep-and-Charge ports	1
Display		Keyboard	
Display diagonal *	35.6 cm (14")	Pointing device	ThinkPad UltraNav
Display resolution *	1920 x 1080 pixels	Keyboard language	Nordic
HD type	Full HD	Numeric keypad *	✗
Panel type	IPS	Spill-resistant keyboard	✓
LED backlight	✓	Windows keys	✓
Native aspect ratio	16:9	Software	
Display surface	Matt	Operating system architecture	64-bit
Dual-screen	✗	Operating system installed *	Windows 10 Pro
Contrast ratio (typical)	700:1	Processor special features	
Processor		Intel® My WiFi Technology (Intel® MWT)	✓
Processor manufacturer *	Intel	Intel® Smart Response Technology	✓
Processor generation	8th gen Intel® Core™ i5	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor family *	Intel® Core™ i5	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	i5-8250U	Intel® Turbo Boost Technology	2.0
Processor frequency *	1.6 GHz	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	3.6 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor threads	8	Intel Clear Video Technology	✓
System bus rate	4 GT/s	Intel® InTru™ 3D Technology	✓
Processor cores	4	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
Processor socket	BGA 1356	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography	14 nm	Intel Trusted Execution Technology	✗
Processor operating modes	64-bit	Intel Enhanced Halt State	✓
Processor codename	Kaby Lake R	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	OPI	Intel® Secure Key	✓
Stepping	Y0	Intel TSX-NI	✗
Motherboard chipset	Intel SoC	Intel Stable Image Platform Program (SIPP)	✗
Thermal Design Power (TDP)	15 W	Intel® OS Guard	✓
Configurable TDP-up frequency	1.8 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	10 W		
Configurable TDP-down frequency	0.8 GHz		
Tjunction	100 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	12	Intel Software Guard Extensions (Intel SGX)	✓
PCI Express slots version	3.0	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel 64	✓
ECC supported by processor	✗	Execute Disable Bit	✓
Memory		Idle States	✓
Internal memory *	8 GB	Thermal Monitoring Technologies	✓
Internal memory type	DDR4-SDRAM	Processor package size	42 x 24 mm
Memory clock speed	2400 MHz	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory form factor	On-board + SO-DIMM	Processor code	SR3LA
Memory slots	1x SO-DIMM	CPU configuration (max)	1
Maximum internal memory *	24 GB	Embedded options available	✗
Storage		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total storage capacity *	256 GB	Intel Identity Protection Technology version	1.00
Storage media *	SSD	Intel Smart Response Technology version	1.00
Total SSDs capacity	256 GB	Intel Stable Image Platform Program (SIPP) version	0.00
Number of SSDs installed	1	Intel Secure Key Technology version	1.00
SSD capacity	256 GB	Intel TSX-NI version	0.00
Optical drive type *	✗	Intel Virtualization Technology (VT-x)	✓
Card reader integrated	✓	Processor ARK ID	124967
Compatible memory cards	MMC, SD, SDHC, SDXC	Conflict-Free processor	✓
Graphics		Battery	
Discrete graphics card model *	Not available	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card *	✓	Number of battery cells	3
On-board GPU manufacturer	Intel	Battery capacity *	57 Wh
Discrete graphics card *	✗	Battery life (max)	15.6 h
On-board graphics card family	Intel® UHD Graphics	Fast charging	✓
On-board graphics card model *	Intel® UHD Graphics 620	Power	
On-board graphics card base frequency	300 MHz	AC adapter frequency	50 - 60 Hz
On-board graphics card dynamic frequency (max)	1100 MHz	AC adapter input voltage	100 - 240 V
Maximum on-board graphics card memory	32 GB	Security	
On-board graphics card DirectX version	12.0	Cable lock slot	✓
On-board graphics card OpenGL version	4.4	Fingerprint reader	✗
On-board graphics card ID	0x5917	Trusted Platform Module (TPM)	✓
Audio		Trusted Platform Module (TPM) version	1.2
Audio chip	Realtek ALC3287	Password protection	✓
Audio system	Dolby Audio Premium	Password protection type	HDD, Power on, Supervisor
Number of built-in speakers	2	Certificates	
Speaker power	1 W	Certification	MIL-STD-810G
Built-in subwoofer	✗	Sustainability	
Built-in microphone	✓	Sustainability certificates	RoHS, EPEAT Gold, ENERGY STAR
Camera		Weight & dimensions	
Front camera	✓	Width	331 mm
Network		Depth	226 mm
Mobile network generation	4G	Height	18 mm
Wi-Fi	✓	Weight *	1.31 kg
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Packaging content	
Mobile network connection *	✓	Manual	✓
Antenna type	2x2	Warranty card	✓
Ethernet LAN	✓	Power cord included	✓
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Bluetooth version	4.1		
WWAN	Installed		

Ports & interfaces		Other features	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	AC adapter included	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	LightScribe	✗
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1	3D	✗
Ethernet LAN (RJ-45) ports	1	Maximum internal memory (64-bit)	24 GB
HDMI ports quantity *	1		
HDMI version	1.4b		
Headphone outputs	1		



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