

# ThinkPad T480s 20L8002AIX

## Product

ThinkPad T480s

## Region

WE

## Country/Region

Italy

## Machine Type

20L8

## TopSeller

TopSeller

## Processor

Intel Core i5-8350U (4C / 8T, 1.7 / 3.6GHz, 6MB)

## Graphics

Integrated Intel UHD Graphics 620

## Chipset

Intel SoC Platform

## Memory

8GB Soldered DDR4-2400

## Storage

256GB SSD M.2 2280 PCIe NVMe Opal2

## Display

14" FHD (1920x1080) WVA 250nits Anti-glare

## Touchscreen

10-point Multi-touch

## Media Reader

4-in-1 Card Reader

## Ethernet

100/1000M

## Optical

None

## WLAN + Bluetooth

Intel 8265 11ac, 2x2 + BT4.1

## WWAN

WWAN Upgradable

## SIM Card

None

## Smart Card Reader

Smart Card Reader

## Case Material

CFRP Hybrid (Top), Magnesium (Bottom)

## Monitor Cable

None

## Camera

720p + IR without ThinkShutter

## Microphone

2x, Array

## Color

Black

## Keyboard

Backlit, Italian

## Fingerprint Reader

Touch Style, Match-on-Chip

## NFC

None

## TPM

Discrete TPM 2.0

## Battery

Integrated 57Wh

## Power Adapter

65W USB-C

## System Management

Intel vPro

## Operating System

Windows 10 Pro 64

## Bundled Software

None

## Base Warranty

3-year, Onsite

## Bundled Service

None

## EAN / UPC / JAN

0192563089612

## End of Support

2024-04-06

## Announce Date

2018-03-06

## Recommended Services

### Best

4Y Lenovo Protect (Premier Support + Keep Your Drive + Accidental Damage Protection + International Upg) (5PS0N74184)

### Better

3Y Lenovo Protect (Premier Support + Keep Your Drive + Accidental Damage Protection + International Upg) (5PS0N74185)

### Good

3Y Lenovo Support (Premier Support + Keep Your Drive + International Upg) (5PS0N74187)

## Notes:

**Battery life** is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences.

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# ThinkPad T480s Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 Processor								Dimensions Weight Case color Case material	WxDxH: 13.03" x 8.93" x 0.73"; 331mm x 226.8mm x 18.45mm Starting at 2.9 lb / 1.32 kg Black or Silver Display cover: CFRP Hybrid; Bottom: Magnesium																				
	<table border="1"> <thead> <tr> <th>Processor Number</th><th># of Cores</th><th># of Threads</th><th>Base Frequency</th><th>Max Turbo Frequency</th><th>Cache</th><th>Memory Types</th><th>Processor Graphics</th></tr> </thead> <tbody> <tr> <td>i5-7200U</td><td rowspan="3">2</td><td rowspan="3">4</td><td>2.5 GHz</td><td>3.1 GHz</td><td>3MB</td><td rowspan="3">DDR4-2133</td><td rowspan="3">Intel HD Graphics 620</td></tr> <tr> <td>i5-7300U</td><td>2.6 GHz</td><td>3.5 GHz</td><td>3MB</td></tr> </tbody> </table>									Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620	i5-7300U	2.6 GHz	3.5 GHz	3MB	
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i5-7300U			2.6 GHz	3.5 GHz	3MB																									
or 8th Generation Intel Core i5 / i7 Processor																														
Processor	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Smart card reader Media reader Ports	Optional: Smart card reader 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), side docking connector, security keyhole																				
										* Depending on many factors, actual data transfer speed may be lower than theoretical speed USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter																				
Graphics	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor only or Intel UHD Graphics 620 in processor and NVIDIA® GeForce® MX150, 2GB GDDR5 memory (discrete models are NOT available in EMEA); supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)								Monitor cable (optional)	One of the following, configurable by model: • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus																				
Chipset	Intel SoC (System on Chip) platform								Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / optional dual array microphone, headphone / microphone combo jack																				
Memory	20GB or 24GB max / 2400MHz DDR4, dual-channel capable, 4GB or 8GB memory soldered to systemboard, one DDR4 SO-DIMM socket * System clocks down for processors with lower memory controller								Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad																				
Display	Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, WVA, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle, supports ThinkPad Privacy Guard on some models Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, WVA, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle								Security	Power-on password, hard disk password, supervisor password, security keyhole																				
Multi-touch (opt)	On-cell touch, supports 10-finger gesture, 250 nits (FHD only)								Security chip vPro (optional)	Discrete TPM 2.0, TCG Certified (may be disabled in some region) Intel vPro Technology																				
Storage	One of the following, configurable by model: • M.2 SSD / SATA 6.0Gb/s • M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s								Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology																				
Optical	None								NFC (optional)	Near Field Communication																				
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)								Battery	Integrated Li-ion 57Wh battery, supports Rapid Charge (0-80% in 60 mins) with 65W USB Type-C AC adapter																				
WLAN + Bluetooth™ (opt)	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS								Max battery life	MobileMark® 2014: 15.6 hr * Battery life varies significantly with hardware configurations, settings, usage, & other factors																				
WWAN	One of the following, configurable by model: • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card								AC adapter	45W or 65W USB-C AC adapter																				
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card								Operating system	Optional: Windows® 10 Home 64 or Windows 10 Pro 64																				
Limited warranty									Limited warranty	• 1-year depot repair service • 1-year depot with 2-year system board repair service • 1-year + 2-year depot repair service • 1-year + 2-year limited onsite service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service																				
									Mil-Spec test	MIL-STD-810G military testing																				
Environment																														
EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant																														

Note: The specifications above may not be available in all regions and might change by regions.

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July 2020

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