ThinkPad T480 20L5000BBM

Product
ThinkPad T480

Region
EET

Country/Region
Bulgaria

Machine Type
20L5

TopSeller
TopSeller

Processor
Core i7-8550U (4C / 8T, 1.8 / 4.0GHz, 8MB)

Graphics
NVIDIA GeForce MX150 2GB GDDR5

Chipset
Intel SoC Platform

Memory
1x 16GB DIMM DDR4-2400

Display
14" WQHD (2560x1440) IPS 300nits Anti-glare

Multi-touch
None

Storage
512GB SSD M.2 2280 PCIe NVMe Opal2

Optane Memory
None

Optical
None

WLAN + Bluetooth
Intel 8265 11ac, 2x2 + BT4.1

WWAN
Fibocom L830-EB

SIM Card
None

Smart Card Reader
Smart Card Reader

Monitor Cable
None

Color
Black

Case Material
PPS

Camera
720p + IR

Keyboard
Backlit, Bulgarian

Fingerprint Reader
Fingerprint Reader

NFC
None

TPM
Discrete TPM 2.0

Battery
Integrated 24Wh + Swappable 24Wh

Power Adapter
65W USB-C

System Management
None

Operating System
Windows 10 Pro 64

Bundled Software
None

Base Warranty
3-year, Depot

Bundled Service
None

End of Support
2024-03-06

Announce Date
2018-02-06

Recommended Services

Better
4Y Premier Support Upgrade from 3Y Depot/CCI (5WS0T36185)

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 T480 Platform Specifications

Processor	7th Generation Intel® Core™ i5 Processor

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		

or 8th Generation Intel Core i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 620
i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB		
i5-8350U			1.7 GHz	3.6 GHz	6MB		
i7-8550U			1.8 GHz	4.0 GHz	8MB		
i7-8650U			1.9 GHz	4.2 GHz	8MB		

Graphics
Intel HD Graphics 620 or Intel UHD Graphics 620 in processor only or
Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and
NVIDIA® GeForce® MX150, 2GB GDDR5 memory
(discrete graphics is available only on i7 models 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)

Chipset Intel SoC (System on Chip) platform
Memory 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets
* System clocks down for processors with lower memory controller

Display
Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight,
220 nits, 16:9 aspect ratio, 400:1 contrast ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS,
250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle
Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS,
300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut,
170° viewing angle
Multi-touch *(opt)* On-cell touch, supports 10-finger gesture (FHD only)

Storage
System has one HDD slot or one M.2 2280 slot exclusively for storage
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™
Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4
Some: 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2,
in WWAN slot as 2nd Storage, mutually exclusive with WWAN
* Installed M.2 SSD is PCIe 3.0 x 4 but run at PCIe 3.0 x 2 due to M.2 SSD adapter limitation

Optane™ memory Intel Optane memory, PCIe NVMe, PCIe 3.0 x 2
Optical None

Ethernet
Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)
vPro model: Intel Ethernet Connection I219-LM (Jacksonville)

WLAN + Bluetooth™
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

WWAN *(optional)* One of the following, configurable by model (mutually exclusive with Intel Optane memory):
• 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
* For non-WWAN model, it means the model is NOT WWAN upgradable

SIM card *(opt)* Nano-SIM card slot, optional Verizon LTE (US) SIM card

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Dimensions *WxDxH:* 13.25" x 9.15" x 0.79"; 336.6mm x 232.5mm x 19.95mm
Weight

Models	24Wh or 24Wh + 24Wh	48Wh, 72Wh, or 24Wh + 48Wh / 72Wh
Integrated Magnesium	3.49 lb / 1.58 kg	3.92 lb / 1.78 kg
Integrated PPS	3.63 lb / 1.65 kg	4.08 lb / 1.85 kg
Discrete Magnesium	3.53 lb / 1.60 kg	3.97 lb / 1.80 kg
Discrete PPS	3.68 lb / 1.67 kg	4.12 lb / 1.87 kg

Case color Black
Case material *Display cover:* Magnesium Hybrid or PPS;
Bottom: Glass-Fiber Reinforced Plastic

Smart card reader *Optional:* Smart card reader
Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC)
Ports 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 media reader (MMC, SD, SDHC, SDXC),
side docking connector, security keyhole
* Depending on many factors, actual data transfer speed may be lower than theoretical speed

Monitor cable *HDMI to VGA:* Lenovo HDMI to VGA Monitor Adapter
(optional) *USB-C to DP:* Lenovo USB-C to DisplayPort Adapter

Camera *(optional)* One of the following, configurable by model:
• HD720p camera with ThinkShutter camera privacy, fixed focus
• IR camera and HD720p camera, fixed focus
Audio support HD Audio, Realtek® ALC3287 codec /
stereo speakers, 2W x 2, Dolby® Audio™ Premium /
dual array microphone, headphone / microphone combo jack

Keyboard 6-row, spill-resistant, multimedia Fn keys, optional LED backlight
UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad

Security Power-on password, hard disk password, supervisor password, security keyhole
Security chip Discrete TPM 2.0, TCG Certified
vPro *(optional)* Intel vPro Technology
Fingerprint reader *Optional:* Touch style match on chip fingerprint reader on the keyboard bezel,
anti-spoofing technology
NFC *(optional)* Near Field Communication

Battery Optional integrated Li-ion 24Wh battery and
external Li-ion 24Wh, 48Wh, or 72Wh battery
Max battery life
(MobileMark® 2014)

Models	24Wh	48Wh	72Wh	24Wh + 24Wh	24Wh + 48Wh	24Wh + 72Wh
Integrated model	7.2 hr	14.4 hr	21.8 hr	14.4 hr	21.8 hr	29.0 hr
Discrete model	6.6 hr	13.2 hr	19.8 hr	13.6 hr	19.8 hr	26.4 hr

* Battery life varies significantly with settings, usage, & other factors
AC adapter 45W or 65W USB Type-C AC adapter

Operating system *Optional:* Windows® 10 Home 64 or Windows 10 Pro 64
Limited warranty One of the following, configurable by model:
• 1-year depot repair service
• 1-year depot with 2-year planar repair 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™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

Note: The specifications above may not be available in all regions.

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