

# ThinkPad T480s 20L70059\*\*

**Region**  
MEA

**Machine Type**  
20L7

**TopSeller**  
TopSeller

**Processor**  
Core i5-8250U (4C, 1.6 / 3.4GHz, 6MB)

**vPro**  
No

**Graphics**  
Integrated Intel UHD Graphics 620

**Memory**  
8GB Soldered + 8GB DIMM

**Display**  
14" FHD (1920x1080) IPS, ThinkPad Privacy Guard

**Multi-touch**  
None

**Storage**  
256GB SSD M.2 PCIe NVMe Opal2

**Optical**  
None

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

**WWAN**  
WWAN Upgradable

**SIM Card**  
None

**Smart Card Reader**  
Smart Card Reader

**Monitor Cable**  
None

**Color**  
Black

**Camera**  
720p

**Keyboard**  
Backlit

**Fingerprint Reader**  
Fingerprint Reader

**NFC**  
None

**TPM**  
dTPM 2.0

**Battery**  
57Wh

**Power Adapter**  
65W USB-C

**Operating System**  
Windows 10 Pro 64

**Warranty**  
3-year, Depot

**End of Support**  
Aug 30, 2024

**Ann Date (mm/yy)**  
07/18

Note:

\* Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "\*\*\*" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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# ThinkPad T480s Platform Specifications

Product Specifications Reference (PSREF)

|                   |  |  |              |                |                     |       |              |                        |   |  |                             |
|-------------------|--|--|--------------|----------------|---------------------|-------|--------------|------------------------|---|--|-----------------------------|
| Processor         | 7th Generation Intel® Core™ i5 Processor   |  |              |                |                     |       |              |                        | Dimensions<br>Weight<br>Case color<br>Case material | 13.03" x 8.93" x 0.73"; 331mm x 226.8mm x 18.45mm<br>Starting at 2.9 lb (1.32kg)<br>Black or Silver<br>Display cover: CFRP Hybrid;<br>Bottom: Magnesium  |                             |
|                   | Processor Number   | # of Cores   | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics     |   |  |                             |
|                   | i5-7300U   | 2  | 4            | 2.6 GHz        | 3.5 GHz             | 3MB   | DDR4-2133    | Intel HD Graphics 620  |   |  |                             |
|                   | or 8th Generation Intel Core i5 / i7 Processor   |  |              |                |                     |       |              |                        |   |  |                             |
|                   | Processor Number   | # of Cores   | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics     |   |  |                             |
|                   | i5-8250U   | 4  | 8            | 1.6 GHz        | 3.4 GHz             | 6MB   | DDR4-2400    | Intel UHD Graphics 620 |   |  |                             |
|                   | 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 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) |              |                |                     |       |              |                        |   | Smart card reader  | Optional: Smart card reader |
| Chipset           | Intel SoC (System on Chip) platform  |  |              |                |                     |       |              |                        | Media reader  | 4-in-1 reader (MMC, SD, SDHC, SDXC)  |                             |
| Memory            | 20GB or 24GB max / 2400MHz DDR4, dual-channel capable, 4GB or 8GB memory soldered to systemboard, one DDR4 SO-DIMM socket<br>* System clocks down for processors with lower memory controller  |  |              |                |                     |       |              |                        | Ports   | Two USB 3.1 Gen 1 (one Always On), USB 3.1 Type-C Gen 1, USB 3.1 Type-C Gen 2 / Thunderbolt 3, 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 |                             |
| Display           | Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle, supports ThinkPad Privacy Guard on some models<br>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 |  |              |                |                     |       |              |                        | Monitor cable (optional)                            | USB-C to VGA: Lenovo USB-C to VGA Adapter<br>USB-C to DP: Lenovo USB-C to DisplayPort Adapter  |                             |
| Multi-touch (opt) | On-cell touch, supports 10-finger gesture, 250 nits (FHD only)   |  |              |                |                     |       |              |                        | Camera  | One of the following, configurable by model:<br>• HD720p camera with ThinkShutter camera privacy, fixed focus<br>• IR camera and HD720p camera, fixed focus  |                             |
| Storage           | One of the following, configurable by model:<br>• M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2)<br>• M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)  |  |              |                |                     |       |              |                        | Audio support                                       | HD Audio, Realtek® ALC3287 codec, Dolby® Audio™ Premium / stereo speakers, 1W x 2 / dual array microphone, headphone / microphone combo jack   |                             |
| Optical           | None   |  |              |                |                     |       |              |                        | Keyboard  | 6-row, spill-resistant, multimedia Fn keys, optional LED backlight   |                             |
| Ethernet          | Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)<br>vPro model: Intel Ethernet Connection I219-LM (Jacksonville)  |  |              |                |                     |       |              |                        | UltraNav™   | TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad  |                             |
| WLAN + Bluetooth™ | Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card<br>* Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS   |  |              |                |                     |       |              |                        | Security  | Power-on password, hard disk password, supervisor password, security keyhole   |                             |
| WWAN (optional)   | One of the following, configurable by model:<br>• Wireless WAN upgradable<br>• Integrated Mobile Broadband 4G LTE, Intel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only)<br>• Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card  |  |              |                |                     |       |              |                        | Security chip vPro (optional)                       | Discrete TPM 2.0, TCG Certified<br>Intel vPro Technology   |                             |
| SIM card (opt)    | Nano-SIM card slot, optional Verizon LTE (US) SIM card   |  |              |                |                     |       |              |                        | Fingerprint reader                                  | Optional: Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology  |                             |
|                   |  |  |              |                |                     |       |              |                        | NFC (optional)                                      | Near Field Communication   |                             |
|                   |  |  |              |                |                     |       |              |                        | Battery   | Integrated Li-Ion 57Wh battery, supports Rapid Charge (0-80% in 60 mins) with 65W USB Type-C AC adapter  |                             |
|                   |  |  |              |                |                     |       |              |                        | Max battery life                                    | MobileMark® 2014: 15.6 hr<br>* Battery life varies significantly with settings, usage, & other factors   |                             |
|                   |  |  |              |                |                     |       |              |                        | AC adapter  | 45W or 65W USB Type-C AC adapter   |                             |
|                   |  |  |              |                |                     |       |              |                        | Operating system                                    | Windows® 10 Home 64 or Windows 10 Pro 64   |                             |
|                   |  |  |              |                |                     |       |              |                        | Limited warranty                                    | One of the following, configurable by model:<br>• 1-year depot repair service<br>• 3-year/1-yr battery depot repair service<br>• 3-year/1-yr battery limited onsite service  |                             |
|                   |  |  |              |                |                     |       |              |                        | Mil-Spec test                                       | MIL-STD-810G military certification  |                             |
|                   |  |  |              |                |                     |       |              |                        | Environment   | EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant  |                             |

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August 2018

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