# ThinkPad T480s 20L7002KUS

Region
US

Machine Type
20L7

TopSeller
TopSeller

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

vPro
No

Graphics
Integrated Intel UHD Graphics 620

Memory
8GB Soldered

Display
14" FHD (1920x1080) IPS

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
None

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
Jan 29, 2023

Ann Date (mm/yy)
01/18

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



**Processor**

7th Generation Intel® Core™ i5 Processor

| 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)

**Chipset**

Intel SoC (System on Chip) platform

**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

**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
*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, 250 nits (FHD only)

**Storage**

*One of the following, configurable by model:*
- M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2)
- M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)

**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:*
- 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

**SIM card *(opt)***

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

**Dimensions**

*WxDxH:* 13.03" x 8.93" x 0.73"; 331mm x 226.8mm x 18.45mm

**Weight**

Starting at 2.9 lb (1.32kg)

**Case color**

Black or Silver

**Case material**

*Display cover:* CFRP Hybrid;
*Bottom:* Magnesium

**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), 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

**Monitor cable *(optional)***

*USB-C to VGA:* Lenovo USB-C to VGA Adapter
*USB-C to DP:* Lenovo USB-C to DisplayPort Adapter

**Camera**

*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, Dolby® Audio™ Premium / stereo speakers,
1W x 2 / 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 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
* 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:*
- 1-year depot 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 certification

**Environment**

EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant

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