

# ThinkPad T490 20N2000CFE

**Product**

ThinkPad T490

**Region**

MEA

**Country/Region**

Africa-French-Portuguese

**Machine Type**

20N2

**TopSeller**

TopSeller

**Processor**

Intel Core i5-8265U (4C / 8T, 1.6 / 3.9GHz, 6MB)

**Graphics**

Integrated Intel UHD Graphics

**Chipset**

Intel SoC Platform

**Memory**

8GB Soldered DDR4-2400

**Storage**

512GB SSD M.2 2280 PCIe NVMe Opal2

**Display**

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

**Touchscreen**

None

**Media Reader**

MicroSD Reader

**Ethernet**

100/1000M

**Optical**

None

**WLAN + Bluetooth**

Intel 9560 11ac, 2x2 + BT5.0

**WWAN**

None

**SIM Card**

None

**Smart Card Reader**

Smart Card Reader

**Monitor Cable**

None

**Case Material**

PPS / 50% GF (Top) + PA / 50% GF (Bottom)

**Bundled Accessories**

None

**Camera**

720p with ThinkShutter

**Microphone**

2x, Array

**Color**

Black

**Keyboard**

Backlit, French

**Fingerprint Reader**

Touch Style, Match-on-Chip

**NFC**

None

**TPM**

Discrete TPM 2.0

**Battery**

Integrated 50Wh

**Power Adapter**

65W USB-C

**System Management**

None

**Operating System**

Windows 10 Pro 64, French

**Bundled Software**

None

**Base Warranty**

3-year, Depot

**Bundled Service**

None

**EAN / UPC / JAN**

0193386020608

**End of Support**

2025-10-15

**Announce Date**

2019-03-19

**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 T490 Platform Specifications

Product Specifications Reference (PSREF)

|                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |              |                |                                                |              |                |                    |               |                                                          |                                                                                                                                                                                                                                                                                                               |                   |                      |                   |  |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------|----------------|------------------------------------------------|--------------|----------------|--------------------|---------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------|-------------------|--|
| Processor                                                               | 8th Generation Intel® Core™ i5 / i7 Processor                                                                                                                                                                                                                                                                                                                                                              |                                        |              |                |                                                |              |                |                    |               | Dimensions<br>Weight                                     | WxDxH: 12.95" x 8.94" x 0.70"; 329mm x 227mm x 17.9mm                                                                                                                                                                                                                                                         |                   |                      |                   |  |
|                                                                         | Processor Number                                                                                                                                                                                                                                                                                                                                                                                           | # of Cores                             | # of Threads | Base Frequency | Max Turbo Frequency                            | Cache        | Memory Types   | Processor Graphics | Models        |                                                          | HD                                                                                                                                                                                                                                                                                                            | FHD               | FHD Low Power / WQHD | Privacy Guard     |  |
|                                                                         | i5-8265U                                                                                                                                                                                                                                                                                                                                                                                                   | 4                                      | 8            | 1.6 GHz        | 3.9 GHz                                        | 6MB          | DDR4-2400      | Intel UHD Graphics | Weight        |                                                          | 3.37 lb / 1.53 kg                                                                                                                                                                                                                                                                                             | 3.41 lb / 1.55 kg | 3.23 lb / 1.46 kg    | 3.56 lb / 1.61 kg |  |
|                                                                         | i5-8365U                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |              | 1.6 GHz        | 4.1 GHz                                        | 6MB          |                |                    |               |                                                          |                                                                                                                                                                                                                                                                                                               |                   |                      |                   |  |
|                                                                         | i7-8565U                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |              | 1.8 GHz        | 4.6 GHz                                        | 8MB          |                |                    |               |                                                          |                                                                                                                                                                                                                                                                                                               |                   |                      |                   |  |
| i7-8665U                                                                | 1.9 GHz                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |              | 4.8 GHz        | 8MB                                            |              |                |                    |               |                                                          |                                                                                                                                                                                                                                                                                                               |                   |                      |                   |  |
| or 10th Generation Intel Core i5 / i7 Processor (NOT available in EMEA) |                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |              |                |                                                |              |                |                    |               |                                                          |                                                                                                                                                                                                                                                                                                               |                   |                      |                   |  |
|                                                                         | Processor Number                                                                                                                                                                                                                                                                                                                                                                                           | # of Cores                             | # of Threads | Base Frequency | Max Turbo Frequency                            | Cache        | Memory Types   | Processor Graphics |               |                                                          |                                                                                                                                                                                                                                                                                                               |                   |                      |                   |  |
|                                                                         | i5-10210U                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                      | 8            | 1.6 GHz        | 4.2 GHz                                        | 6MB          | DDR4-2400      | Intel UHD Graphics |               |                                                          |                                                                                                                                                                                                                                                                                                               |                   |                      |                   |  |
|                                                                         | i7-10510U                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |              | 1.8 GHz        | 4.9 GHz                                        | 8MB          |                |                    |               |                                                          |                                                                                                                                                                                                                                                                                                               |                   |                      |                   |  |
|                                                                         | i7-10710U                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |              | 6              | 12                                             | 1.1 GHz      |                |                    | 4.7 GHz       | 12MB                                                     |                                                                                                                                                                                                                                                                                                               |                   |                      |                   |  |
| Graphics                                                                | Intel UHD Graphics in processor only or Intel UHD Graphics in processor and NVIDIA® GeForce® MX250, 2GB GDDR5 memory; supports external digital monitor via HDMI or Thunderbolt; supports three independent displays; Max resolution: 4096x2304@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)                                                                                                                  |                                        |              |                |                                                |              |                |                    |               | Monitor cable (optional)                                 | HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter<br>USB-C to VGA: Lenovo USB-C to VGA Adapter<br>USB-C to HDMI: Lenovo USB-C to HDMI Adapter<br>USB-C to DP: Lenovo USB-C to DisplayPort Adapter                                                                                                               |                   |                      |                   |  |
| Display                                                                 | Size                                                                                                                                                                                                                                                                                                                                                                                                       | Resolution                             | Type         | Surface        | Brightness                                     | Aspect Ratio | Contrast Ratio | Color Gamut        | Viewing Angle | Camera (optional)                                        | One of the following, configurable by model:                                                                                                                                                                                                                                                                  |                   |                      |                   |  |
|                                                                         | 14.0"                                                                                                                                                                                                                                                                                                                                                                                                      | HD (1366x768)                          | TN           | Anti-glare     | 220 nits                                       | 16:9         | 400:1          | 45%                | 90°           | Audio support                                            | • HD720p camera with ThinkShutter camera privacy, fixed focus<br>• IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus                                                                                                                                                                  |                   |                      |                   |  |
|                                                                         | 14.0"                                                                                                                                                                                                                                                                                                                                                                                                      | FHD (1920x1080)                        | IPS          | Anti-glare     | 250 nits (non-touch)<br>300 nits (multi-touch) | 16:9         | 700:1          | 45%                | 170°          |                                                          | HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array far-field microphone (optional for special bid model),<br>headphone / microphone combo jack                                                                                                                    |                   |                      |                   |  |
|                                                                         | 14.0"                                                                                                                                                                                                                                                                                                                                                                                                      | FHD (1920x1080) Low Power              | IPS          | Anti-glare     | 400 nits                                       | 16:9         | 800:1          | 72%                | 170°          | Keyboard UltraNav™                                       | 6-row, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad                                                                                                                                                           |                   |                      |                   |  |
|                                                                         | 14.0"                                                                                                                                                                                                                                                                                                                                                                                                      | FHD (1920x1080) ThinkPad Privacy Guard | IPS          | Anti-glare     | 400 nits                                       | 16:9         | 1000:1         | 72%                | 170°          | Security chip                                            | Power-on password, hard disk password, supervisor password, security keyhole<br>Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified (may be disabled in some region)                                                                                                                     |                   |                      |                   |  |
|                                                                         | 14.0"                                                                                                                                                                                                                                                                                                                                                                                                      | WQHD (2560x1440) HDR, Dolby Vision™    | IPS          | Glossy         | 500 nits                                       | 16:9         | 1500:1         | 100% Adobe         | 170°          | System Mgt (opt)<br>Fingerprint reader<br>NFC (optional) | Intel vPro Technology<br>Optional: Touch style match on chip fingerprint reader on the palm rest<br>Near Field Communication                                                                                                                                                                                  |                   |                      |                   |  |
| Multi-touch (opt)                                                       | On-cell touch, supports 10-finger gesture (FHD only)                                                                                                                                                                                                                                                                                                                                                       |                                        |              |                |                                                |              |                |                    |               | Battery                                                  | Integrated Li-Polymer 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter                                                                                                                                                                                                       |                   |                      |                   |  |
| Chipset                                                                 | Intel SoC (System on Chip) platform                                                                                                                                                                                                                                                                                                                                                                        |                                        |              |                |                                                |              |                |                    |               | Max battery life                                         | MobileMark® 2014: 16.11 hr<br>* Battery life varies significantly with hardware configurations, settings, usage, & other factors                                                                                                                                                                              |                   |                      |                   |  |
| Memory                                                                  | 40GB or 48GB max / 2400MHz DDR4, dual-channel capable, 8GB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket<br>* Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation                                                                                                                                                                                            |                                        |              |                |                                                |              |                |                    |               | AC adapter                                               | • 45W USB-C AC adapter<br>• 65W USB-C AC adapter<br>• 65W USB-C slim AC adapter                                                                                                                                                                                                                               |                   |                      |                   |  |
| Storage                                                                 | • M.2 2280 SSD / SATA 6.0Gb/s (NOT available in EMEA)<br>• M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4<br>• M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2<br>• Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4                                                                                                                                                                          |                                        |              |                |                                                |              |                |                    |               | Operating system (optional)                              | • Windows® 10 Home 64<br>• Windows 10 Pro 64<br>• Windows 10 Pro in S mode                                                                                                                                                                                                                                    |                   |                      |                   |  |
| Optical                                                                 | None                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |              |                |                                                |              |                |                    |               | Limited warranty (optional)                              | • 1-year depot repair service<br>• 1-year depot with 2-year system board repair service<br>• 1-year limited onsite service<br>• 1-year + 2-year depot repair service<br>• 1-year + 2-year onsite repair service<br>• 3-year/1-yr battery depot repair service<br>• 3-year/1-yr battery limited onsite service |                   |                      |                   |  |
| Ethernet                                                                | Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)<br>vPro model: Intel Ethernet Connection I219-LM (Jacksonville)                                                                                                                                                                                                                                                                            |                                        |              |                |                                                |              |                |                    |               | Mil-Spec test                                            | MIL-STD-810G military testing                                                                                                                                                                                                                                                                                 |                   |                      |                   |  |
| WLAN + Bluetooth™ (optional)                                            | • Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0<br>• Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.0 (AX201 for 10th Gen processor only)                                                                                                                                                                                                                                              |                                        |              |                |                                                |              |                |                    |               | Environment                                              | EPEAT™ Gold; ENERGY STAR® 7.1; TCO Certified; RoHS-compliant                                                                                                                                                                                                                                                  |                   |                      |                   |  |
| WWAN (optional)                                                         | One of the following, configurable by model:<br>• Wireless WAN upgradable (special bid only in EMEA)<br>• Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only)<br>• Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card<br>• Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 4x4, M.2 card<br>* For non-WWAN model, it means the model is NOT WWAN upgradable |                                        |              |                |                                                |              |                |                    |               |                                                          |                                                                                                                                                                                                                                                                                                               |                   |                      |                   |  |
| SIM card (opt)                                                          | • Verizon LTE (US) SIM card<br>• Gemalto eSIM                                                                                                                                                                                                                                                                                                                                                              |                                        |              |                |                                                |              |                |                    |               |                                                          |                                                                                                                                                                                                                                                                                                               |                   |                      |                   |  |

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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