

# ThinkPad T490s 20NX002XUS

## Product

ThinkPad T490s

## Region

NA

## Country/Region

USA

## Machine Type

20NX

## TopSeller

TopSeller

## Processor

Intel Core i7-8665U (4C / 8T, 1.9 / 4.8GHz, 8MB)

## Graphics

Integrated Intel UHD Graphics 620

## Chipset

Intel SoC Platform

## Memory

8GB Soldered DDR4-2400

## Display

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

## Multi-touch

None

## Storage

256GB SSD M.2 2280 PCIe NVMe Opal2

## Optical

None

## WLAN + Bluetooth

Intel 9560 11ac, 2x2 + BT5.0

## WWAN

WWAN Upgradable

## SIM Card

None

## Smart Card Reader

None

## Monitor Cable

None

## Bundled Accessories

None

## Color

Black

## Case Material

CFRP Hybrid

## Camera

720p

## Keyboard

Backlit, English

## Fingerprint Reader

Fingerprint Reader

## 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, English

## Bundled Software

None

## Base Warranty

3-year, Depot

## Bundled Service

None

## End of Support

2025-07-04

## Announce Date

2019-06-04

## Recommended Services

### Best

3Y Lenovo Protect (Premier Support + Keep Your Drive + Accidental Damage Protection + Sealed Battery) (5PS0N73216)

### Better

3Y Lenovo Support (Premier Support + Keep Your Drive + Sealed Battery) (5PS0N73159)

### Good

3Y Premier Support Upgrade from 3Y Depot/CCI (5WS0T36152)

## 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.

## California Electronic Waste Recycling Fee

In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>



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# ThinkPad T490s Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor								Dimensions	WxDxH (black with FHD / Privacy Guard): 12.95" x 8.90" x 0.66"; 329.0mm x 226.15mm x 16.7mm WxDxH (black with FHD Low Power / WQHD): 12.94" x 8.89" x 0.63"; 328.8mm x 225.8mm x 16.1mm WxDxH (silver): 12.96" x 8.92" x 0.68"; 329.15mm x 226.45mm x 17.2mm						
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Weight	Models	Black with FHD Low Power / WQHD / Privacy Guard	Silver			
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	DDR4-2400	Intel UHD Graphics 620			Weight	2.98 lb / 1.35 kg	2.81 lb / 1.27 kg	3.29 lb / 1.49 kg		
	i5-8365U			1.6 GHz	4.1 GHz	6MB					Weight	2.98 lb / 1.35 kg	2.81 lb / 1.27 kg	3.29 lb / 1.49 kg		
	i7-8565U			1.8 GHz	4.6 GHz	8MB					Weight	2.98 lb / 1.35 kg	2.81 lb / 1.27 kg	3.29 lb / 1.49 kg		
	i7-8665U			1.9 GHz	4.8 GHz	8MB					Weight	2.98 lb / 1.35 kg	2.81 lb / 1.27 kg	3.29 lb / 1.49 kg		
Graphics	Intel UHD Graphics 620 in processor; supports external digital monitor via HDMI or Thunderbolt; supports three independent displays; Max resolution: 4096x2304@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)								Case color Case material	Black or Silver	Display cover: CFRP Hybrid (black) or Aluminum (silver); Bottom: Magnesium					
Chipset Memory	Intel SoC (System on Chip) platform 8GB, 16GB or 32GB / 2400MHz DDR4 / soldered to systemboard, no sockets * Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation									Smart card reader	Optional: Smart card reader MicroSD card reader					
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut		Media reader	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 extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, microSD card reader, side docking connector, security keyhole					
	14.0" FHD (1920x1080)	IPS	Anti-glare	250 nits (non-touch) 300 nits (multi-touch)	16:9	700:1	45%	170°		Ports	* Depending on many factors, actual data transfer speed may be lower than theoretical speed HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter					
	14.0" FHD (1920x1080) Low Power	IPS	Anti-glare	400 nits	16:9	800:1	72%	170°		Monitor cable (optional)	Optional: ThinkPad Ethernet Extension Adapter Gen 2					
	14.0" ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°		Camera	One of the following, configurable by model: • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus					
	14.0" WQHD (2560x1440) HDR, Dolby Vision™	IPS	Glossy	500 nits	16:9	1500:1	100% Adobe	170°		Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array far-field microphone, headphone / microphone combo jack					
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								Keyboard UltraNav™	Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight					
Storage	<ul style="list-style-type: none"> <li>M.2 2280 SSD / SATA 6.0Gb/s</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li> <li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4</li> </ul>									UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad					
Optical	None									Security	Power-on password, hard disk password, supervisor password, security keyhole					
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2									Security chip	Discrete TPM 2.0, TCG Certified					
WLAN + Bluetooth™ (optional)	One of the following, configurable by model: <ul style="list-style-type: none"> <li>Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0</li> <li>Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.0</li> </ul>									System Mgt (opt)	Intel vPro Technology					
WWAN (optional)	One of the following, configurable by model: <ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only)</li> <li>Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card</li> </ul>								Fingerprint reader NFC (optional)	Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest					
	* For non-WWAN model, it means the model is NOT WWAN upgradable									NFC (optional)	Near Field Communication					
	Nano-SIM card slot, optional Verizon LTE (US) SIM card									Battery	Integrated Li-ion 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)					
										Max battery life	MobileMark® 2014: 20 hr					
										AC adapter	* Battery life varies significantly with settings, usage, & other factors 45W, 65W, or 65W slim USB-C AC adapter					
									Operating system Limited warranty	Operating system	Optional: Windows® 10 Home 64 or Windows 10 Pro 64					
										Limited warranty	One of the following, configurable by model: <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>1-year depot with 2-year planar repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>					
										Mil-Spec test	MIL-STD-810G military testing					
										Environment	EPEAT™ Silver; ENERGY STAR® 7.1; RoHS-compliant					

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

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