

ThinkPad T490s 20NX002TSP

Product

ThinkPad T490s

Region

WE

Country/Region

Spain

Machine Type

20NX

TopSeller

TopSeller

Processor

Core i7-8565U (4C / 8T, 1.8 / 4.6GHz, 8MB)

Graphics

Integrated Intel UHD Graphics 620

Chipset

Intel SoC Platform

Memory

8GB Soldered DDR4-2400

Display

14" FHD (1920x1080) Low Power IPS 400nits Anti-glare

Multi-touch

None

Storage

512GB SSD M.2 2280 PCIe NVMe Opal2

Optical

None

WLAN + Bluetooth

Intel 9560 11ac, 2x2 + BT5.0

WWAN

Fibocom L830-EB

SIM Card

None

Smart Card Reader

Smart Card Reader

Monitor Cable

None

Bundled Accessories

None

Color

Black

Case Material

CFRP Hybrid

Camera

720p + IR

Keyboard

Backlit

Fingerprint Reader

Fingerprint Reader

NFC

None

TPM

Discrete TPM 2.0

Battery

Integrated 57Wh

Power Adapter

65W USB-C

System Management

None

Operating System

Windows 10 Pro 64

Bundled Software

None

Base Warranty

3-year, Depot

Upsell Service Bundles

None

End of Support

2025-05-02

Announce Date

2019-04-02

Recommended Services**Best**

5Y Premier Support Upgrade from 3Y Depot/CCI (5WS0T36204)

Better

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

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.

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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	<table><tr><td>Models</td><td>Black with FHD</td><td>Black with FHD Low Power / WQHD / Privacy Guard</td><td>Silver</td></tr><tr><td>Weight</td><td>2.98 lb / 1.35 kg</td><td>2.81 lb / 1.27 kg</td><td>3.29 lb / 1.49 kg</td></tr></table>				Models	Black with FHD	Black with FHD Low Power / WQHD / Privacy Guard	Silver	Weight	2.98 lb / 1.35 kg	2.81 lb / 1.27 kg	3.29 lb / 1.49 kg
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Weight	2.98 lb / 1.35 kg	2.81 lb / 1.27 kg	3.29 lb / 1.49 kg																		
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	DDR4-2400	Intel UHD Graphics 620													
	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															
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	Black or Silver											
Chipset	Intel SoC (System on Chip) platform								Case material	Display cover: CFRP Hybrid (black) or Aluminum (silver); Bottom: Magnesium											
Memory	8GB, 16GB or 32GB / 2400MHz DDR4 / soldered to systemboard, no sockets <i>* Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation</i>																				
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Smart card reader	Optional: Smart card reader										
	14.0"	FHD (1920x1080)	IPS	Anti-glare	250 nits (non-touch) 300 nits (multi-touch)	16:9	700:1	45%	170°	Media reader	MicroSD card reader										
	14.0"	FHD (1920x1080) Low Power	IPS	Anti-glare	400 nits	16:9	800:1	72%	170°	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 extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, microSD card reader, side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>										
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°	Monitor cable (optional)	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 Optional: ThinkPad Ethernet Extension Adapter Gen 2										
	14.0"	WQHD (2560x1440) HDR, Dolby Vision™	IPS	Glossy	500 nits	16:9	1500:1	100% Adobe	170°	Bundled Accy											
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								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											
Storage	<ul style="list-style-type: none">M.2 2280 SSD / SATA 6.0Gb/sM.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4								Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array far-field microphone, headphone / microphone combo jack											
Optical	None								Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight											
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2								UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad											
WLAN + Bluetooth™ (optional)	One of the following, configurable by model: <ul style="list-style-type: none">Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.0								Security	Power-on password, hard disk password, supervisor password, security keyhole											
WWAN (optional)	One of the following, configurable by model: <ul style="list-style-type: none">Wireless WAN upgradableIntegrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only)Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>								Security chip	Discrete TPM 2.0, TCG Certified											
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card								System Mgt (opt)	Intel vPro Technology											
									Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest											
									NFC (optional)	Near Field Communication											
									Battery	Integrated Li-ion 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)											
									Max battery life	MobileMark® 2014: 20 hr <i>* Battery life varies significantly with settings, usage, & other factors</i>											
									AC adapter	45W, 65W, or 65W slim USB-C AC adapter											
									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">1-year depot repair service1-year depot with 2-year planar repair service3-year/1-yr battery depot repair service3-year/1-yr battery limited onsite service											
									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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August 2019

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