

ThinkPad T490s 20NX003DGE

Product
ThinkPad T490s

Region
WE

Country
Germany

Machine Type
20NX

TopSeller
TopSeller

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

Graphics
Integrated Intel UHD Graphics 620

Chipset
Intel SoC Platform

Memory
16GB Soldered DDR4-2400

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

Multi-touch
None

Storage
1TB SSD M.2 2280 PCIe NVMe Opal2

Optane Memory
None

Optical
None

WLAN + Bluetooth
Intel 9560 ac, 2x2 + BT5.0

WWAN
WWAN Upgradable

Smart Card Reader
Smart Card Reader

Monitor Cable
None

Bundled Accessories
None

Color
Black

Case Material
CFRP Hybrid

Camera
IR & 720p

Keyboard
Backlit

Fingerprint Reader
Fingerprint Reader

NFC
None

TPM
dTPM 2.0

Battery
57Wh

Power Adapter
65W USB-C

System Management
None

Operating System
Windows 10 Pro 64

Warranty
3-year, Depot

End of Support
2025-07-04

Announce Date
2019-04-16

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.

<https://www.lenovo.com/hk/en/battery-info>



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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): 12.94" x 8.90" x 0.66"; 328.8mm x 226.15mm x 16.7mm WxDxH (black with FHD Low Power / WQHD): 12.95" x 8.89" x 0.63"; 329.0mm 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	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
i7-8565U	1.8 GHz			4.6 GHz	8MB			Case color	Black or Silver						
Graphics	Intel UHD Graphics 620 in processor only; supports external digital monitor via HDMI or Thunderbolt; supports three independent displays; Max resolution: 4096x2304 @60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)									Case material	Display cover: CFRP Hybrid (black) or Aluminum (silver); Bottom: Magnesium				
Chipset	Intel SoC (System on Chip) platform									Smart card reader	Optional: Smart card reader				
Memory	8GB, 16GB or 32GB / 2400MHz DDR4 / soldered to systemboard, no sockets * Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation									Media reader	MicroSD card reader				
Display	Size	Resolution		Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	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 * Depending on many factors, actual data transfer speed may be lower than theoretical speed			
	14.0"	FHD (1920x1080)		IPS	Anti-glare	250 nits (non-touch) 300 nits (multi-touch)	16:9	700:1	45%	170°	Monitor cable (optional)	HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter			
	14.0"	FHD (1920x1080) Low Power		IPS	Anti-glare	400 nits	16:9	800:1	72%	170°		USB-C to VGA: Lenovo USB-C to VGA Adapter			
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard		IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°		USB-C to DP: Lenovo USB-C to DisplayPort Adapter			
	14.0"	WQHD (2560x1440) Dolby Vision™ HDR		IPS	Glossy	500 nits	16:9	1500:1	100% Adobe	170°	Bundled Accy	Optional: ThinkPad Ethernet Extension Adapter Gen 2			
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	• M.2 2280 SSD / SATA 6.0Gb/s • M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 • M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 • Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2									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 (optional)	One of the following, configurable by model: • Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0 • Intel Wireless-AX 22260, Wi-Fi 2x2 802.11ax + Bluetooth 5.0									Security	Power-on password, hard disk password, supervisor password, security keyhole				
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									Security chip	Discrete TPM 2.0, TCG Certified				
WWAN (optional)	One of the following, configurable by model: • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only) • Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable									Intel vPro Technology	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 * Battery life varies significantly with settings, usage, & other factors				
										AC adapter	45W or 65W USB Type-C AC adapter				
										Preload	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™ Bronze; ENERGY STAR® 7.0; RoHS-compliant				

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

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