

ThinkPad T490 20N2000QPB

Product
ThinkPad T490

Region
EET

Country/Region
Poland

Machine Type
20N2

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) IPS 250nits 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

RFID Reader
None

Monitor Cable
None

Bundled Accessories
None

Color
Black

Camera
720p

Keyboard
Backlit

Fingerprint Reader
Touch Fingerprint Reader

NFC
None

TPM
Discrete TPM 2.0

Battery
Integrated 50Wh

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
2025-04-19

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 Weight	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		FHD	FHD Low Power / WQHD	
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	DDR4-2400	Intel UHD Graphics 620	Weight		3.41 lb / 1.55 kg	3.23 lb / 1.46 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								
Graphics	Intel UHD Graphics 620 in processor only or Intel UHD Graphics 620 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)									Case color	Black		
Chipset	Intel SoC (System on Chip) platform									Case material	Display cover: PPS / 50% GF; Keyboard cover: PC/ABS + Magnesium alloy (with ISO 22196 compliant anti-microbial surface treatment for 20Q9 / 20QH models only); Bottom: PA / 50% GF		
Memory	48GB max / 2400MHz DDR4, dual-channel capable, 8GB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket * Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation									Smart card reader	Optional: Smart card reader (NOT for 20Q9 / 20QH models)		
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	RFID reader	RFID reader supporting RFID / NFC (ONLY for ALL 20Q9 / 20QH models)		
	14.0"	HD (1366x768)	TN	Anti-glare	220 nits	16:9	400:1	45%	90°	Media reader	MicroSD card reader		
	14.0"	FHD (1920x1080)*	IPS	Anti-glare	250 nits (non-touch) 300 nits (multi-touch)	16:9	700:1	45%	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 (RJ-45), nano-SIM card slot (WWAN model), 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) Low Power	IPS	Anti-glare	400 nits	16:9	800:1	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 HDMI: Lenovo USB-C to HDMI Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter		
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard*	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°	Bundled Accy	None		
	14.0"	WQHD (2560x1440) HDR, Dolby Vision™	IPS	Glossy	500 nits	16:9	1500:1	100% Adobe	170°	Camera (optional)	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		
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only) * Only FHD and FHD Privacy panels are available for 20Q9 / 20QH models model									Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array far-field microphone, headphone / microphone combo jack		
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 H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4									Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight		
Optical	None									UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad		
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)									Security	Power-on password, hard disk password, supervisor password, security keyhole		
WLAN (optional)	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0									Security chip	Discrete TPM 2.0, TCG Certified		
Bluetooth™ (opt)	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									System Mgt (opt)	Intel vPro Technology		
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 • Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 4x4, M.2 card * Only non-WWAN and WWAN upgradable are available on 20Q9 / 20QH models * For non-WWAN model, it means the model is NOT WWAN upgradable									Fingerprint reader	Optional: Touch style match on chip fingerprint reader or FIPS 201 fingerprint reader on palm rest		
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card									NFC (optional)	NFC module or NFC support via RFID reader		
										Battery	Integrated Li-ion 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr)		
										Max battery life	MobileMark® 2014: 16.11 hr * Battery life varies significantly with settings, usage, & other factors		
										AC adapter	45W or 65W USB Type-C AC adapter		
										Operating System	Optional: 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 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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