

ThinkPad T490 20N20048GE

Product
ThinkPad T490

Region
WE

Country
Germany

Machine Type
20N2

TopSeller
TopSeller

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

Graphics
NVIDIA GeForce MX250 2GB GDDR5

Chipset
Intel SoC Platform

Memory
8GB Soldered + 8GB DIMM DDR4-2400

Display
14" HDR WQHD (2560x1440) IPS 500nits Glossy

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 + IR

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

Warranty
3-year, Depot

Upsell Service Bundles
None

End of Support
2025-07-04

Announce Date
2019-06-04

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								
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	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 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)								
Chipset	Intel SoC (System on Chip) platform								
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								
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle
	14.0"	HD (1366x768)	TN	Anti-glare	220 nits	16:9	400:1	45%	90°
	14.0"	FHD (1920x1080)*	IPS	Anti-glare	250 nits (non-touch) 300 nits (multi-touch)	16:9	700:1	45%	170°
	14.0"	FHD (1920x1080) Low Power	IPS	Anti-glare	400 nits	16:9	800:1	72%	170°
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard*	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°
	14.0"	WQHD (2560x1440) HDR, Dolby Vision™	IPS	Glossy	500 nits	16:9	1500:1	100% Adobe	170°
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								
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								
Optical	None								
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)								
WLAN (optional)	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0								
Bluetooth™ (opt)	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
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								
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card								
Dimensions Weight	WxDxH: 12.95" x 8.94" x 0.70"; 329mm x 227mm x 17.9mm								
	Models	FHD			FHD Low Power / WQHD				
Case color Case material	Weight	3.41 lb / 1.55 kg			3.23 lb / 1.46 kg				
	Black 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								
Smart card reader	Optional: Smart card reader (NOT for 20Q9 / 20QH models)								
RFID reader	RFID reader supporting RFID / NFC (ONLY for ALL 20Q9 / 20QH models)								
Media reader	MicroSD card reader								
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								
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								
Bundled Accy	None								
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								
Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array far-field microphone, headphone / microphone combo jack								
Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight								
UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad								
Security	Power-on password, hard disk password, supervisor password, security keyhole								
Security chip	Discrete TPM 2.0, TCG Certified								
System Mgt (opt)	Intel vPro Technology								
Fingerprint reader	Optional: Touch style match on chip fingerprint reader or FIPS 201 fingerprint reader on palm rest								
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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