

# ThinkPad T490 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor									Dimensions Weight	WxDxH: 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	HD	FHD	FHD Low Power / WQHD	Privacy Guard
Graphics	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	DDR4-2400	Intel UHD Graphics 620		Weight	3.37 lb / 1.53 kg	3.41 lb / 1.55 kg	3.23 lb / 1.46 kg	3.56 lb / 1.61 kg	
	i5-8365U			1.6 GHz	4.1 GHz	6MB				Case color	Black				
	i7-8565U			1.8 GHz	4.6 GHz	8MB				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				
	i7-8665U			1.9 GHz	4.8 GHz	8MB				Smart card reader	Optional: Smart card reader (NOT for 20Q9 / 20QH models)				
Chipset	Intel SoC (System on Chip) platform									RFID reader	RFID reader supporting RFID / NFC (ONLY for ALL 20Q9 / 20QH models)				
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									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 (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" HD (1366x768)		TN	Anti-glare	220 nits	16:9	400:1	45%	90°	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)*		IPS	Anti-glare	250 nits (non-touch) 300 nits (multi-touch)	16:9	700:1	45%	170°	Bundled Accy	None				
	14.0" FHD (1920x1080) Low Power		IPS	Anti-glare	400 nits	16:9	800:1	72%	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				
	14.0" ThinkPad Privacy Guard*		IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°	Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array far-field microphone, headphone / microphone combo jack				
	14.0" WQHD (2560x1440) HDR, Dolby Vision™		IPS	Glossy	500 nits	16:9	1500:1	100% Adobe	170°	Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad				
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									Security	Power-on password, hard disk password, supervisor password, security keyhole				
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									Security chip	Discrete TPM 2.0, TCG Certified				
	Optical	None									System Mgt (opt)	Intel vPro Technology			
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)									Fingerprint reader	Optional: Touch style match on chip fingerprint reader or FIPS 201 fingerprint reader on palm rest				
WLAN (optional)	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0									NFC (optional)	NFC module or NFC support via RFID reader				
Bluetooth™ (opt)	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									Battery	Integrated Li-ion 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr)				
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									Max battery life	MobileMark® 2014: 16.11 hr * Battery life varies significantly with settings, usage, & other factors				
	SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card									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.