

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	Models		
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	DDR4-2400	Intel UHD Graphics 620	Black with FHD / Privacy Guard					
	i5-8365U			1.6 GHz	4.1 GHz	6MB			Black with FHD Low Power / WQHD					
	i7-8565U			1.8 GHz	4.6 GHz	8MB			Silver					
i7-8665U	1.9 GHz			4.8 GHz	8MB	Weight								
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>									Smart card reader	Optional: Smart card reader			
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	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 extension connector, combo slot of nano-SIM card (WWAN models) and microSD card reader, headphone / microphone combo jack, optional smart 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) 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 DP: Lenovo USB-C to DisplayPort Adapter Optional: ThinkPad Ethernet Extension Adapter Gen 2			
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°	Bundled Accy				
	14.0"	WQHD (2560x1440) HDR, Dolby Vision™	IPS	Glossy	500 nits	16:9	1500:1	100% Adobe	170°	Camera (optional)	• 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)									Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array far-field microphone (optional for special bid model), headphone / microphone combo jack			
Storage	<ul style="list-style-type: none">• 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	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Adapter Gen 2									Security	Power-on password, hard disk password, supervisor password, security keyhole			
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 5.0• Intel Wi-Fi 6 AX200, Wi-Fi 2x2 802.11ax + Bluetooth 5.0									Security chip	Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified (may be disabled in some region)			
WWAN (optional)	One of the following, configurable by model: <ul style="list-style-type: none">• 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 <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>									System Mgt (opt)	Intel vPro Technology			
SIM card (opt)	Nano-SIM card slot, in the combo slot with microSD card reader, optional Verizon LTE (US) SIM card									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) with 65W AC adapter			
										Max battery life	MobileMark® 2014: 20 hr <i>* Battery life varies significantly with settings, usage, & other factors</i>			
										AC adapter	<ul style="list-style-type: none">• 45W USB-C AC adapter• 65W USB-C AC adapter• 65W USB-C slim AC adapter			
Operating system										Optional: Windows® 10 Home 64 or Windows 10 Pro 64				
Limited warranty (optional)										<ul style="list-style-type: none">• 1-year depot repair service• 1-year depot with 2-year system board repair service• 1-year limited onsite service• 3-year/1-yr battery depot repair service• 1-year + 2-year/1-yr battery depot repair service• 1-year + 2-year/1-yr battery limited onsite service• 3-year/1-yr battery limited onsite service				
Mil-Spec test										MIL-STD-810G military testing				
Environment										EPEAT™ Gold; ENERGY STAR® 7.1; RoHS-compliant				

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

Lenovo
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