

ThinkPad T490 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor								Dimensions Weight	<i>WxDxH:</i> 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
	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								
	i7-8565U			1.8 GHz	4.6 GHz	8MB								
	i7-8665U			1.9 GHz	4.8 GHz	8MB								
	or 10th Generation Intel Core i5 / i7 Processor (NOT available in EMEA)								Case color	Black				
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Case material	<i>Display cover:</i> PPS / 50% GF; <i>Bottom:</i> PA / 50% GF				
	i5-10210U	4	8	1.6 GHz	4.2 GHz	6MB	DDR4-2400	Intel UHD Graphics	Smart card reader	Optional: Smart card reader				
	i7-10510U			1.8 GHz	4.9 GHz	8MB								
	i7-10710U	6	12	1.1 GHz	4.7 GHz	12MB			Media reader	MicroSD card reader				
Graphics	Intel UHD Graphics 620 or Intel UHD Graphics in processor only or Intel UHD Graphics 620 or Intel UHD Graphics 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)								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 models), headphone / microphone combo jack, optional smart card reader, microSD card reader, side docking connector, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i>				
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Monitor cable (optional)	<i>HDMI to VGA:</i> Lenovo HDMI to VGA Monitor Adapter <i>USB-C to VGA:</i> Lenovo USB-C to VGA Adapter <i>USB-C to HDMI:</i> Lenovo USB-C to HDMI Adapter <i>USB-C to DP:</i> Lenovo USB-C to DisplayPort Adapter			
	14.0"	HD (1366x768)	TN	Anti-glare	220 nits	16:9	400:1	45%	90°	Bundled Accy	None			
	14.0"	FHD (1920x1080)	IPS	Anti-glare	250 nits (non-touch) 300 nits (multi-touch)	16:9	700:1	45%	170°	Camera (optional)	<i>One of the following, configurable by model:</i> • HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus			
	14.0"	FHD (1920x1080) Low Power	IPS	Anti-glare	400 nits	16:9	800:1	72%	170°	Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array far-field microphone (optional for special bid model), headphone / microphone combo jack			
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°	Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad			
	14.0"	WQHD (2560x1440) HDR, Dolby Vision™	IPS	Glossy	500 nits	16:9	1500:1	100% Adobe	170°	Security	Power-on password, hard disk password, supervisor password, security keyhole Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified (may be disabled in some region)			
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								System Mgt (opt)	Intel vPro Technology				
Chipset	Intel SoC (System on Chip) platform								Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest				
Memory	40GB or 48GB max / 2400MHz DDR4, dual-channel capable, 8GB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket <i>* Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation</i>								NFC (optional)	Near Field Communication				
Storage	<ul style="list-style-type: none"> M.2 2280 SSD / SATA 6.0Gb/s (NOT available in EMEA) 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 								Battery	Integrated Li-Polymer 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter				
Optical	None								Max battery life	<i>MobileMark® 2014:</i> 16.11 hr <i>* Battery life varies significantly with settings, usage, & other factors</i>				
Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)								AC adapter	<ul style="list-style-type: none"> 45W USB-C AC adapter 65W USB-C AC adapter 65W USB-C slim AC adapter 				
WLAN + Bluetooth™ (optional)	<ul style="list-style-type: none"> Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0 Intel Wi-Fi 6 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.0 (AX201 for 10th Gen processor only) 								Operating system (optional)	<ul style="list-style-type: none"> Windows® 10 Home 64 Windows 10 Pro 64 Windows 10 Pro in S mode 				
WWAN (optional)	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> Wireless WAN upgradable (special bid only in EMEA) 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 <i>* For non-WWAN model, it means the model is NOT WWAN upgradable</i>								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 1-year + 2-year depot repair service 1-year + 2-year onsite repair service 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service 				
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card								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
April 2020