

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
	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)															
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics							
	i5-10210U	4	8	1.6 GHz	4.2 GHz	6MB	DDR4-2400	Intel UHD Graphics							
	i7-10510U			1.8 GHz	4.9 GHz	8MB									
	i7-10710U	6	12	1.1 GHz	4.7 GHz	12MB									
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)														
Chipset Memory	Intel SoC (System on Chip) platform 40GB or 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)														
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														
Optical	None														
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)														
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 AX201, Wi-Fi 2x2 802.11ax + Bluetooth 5.0 (AX201 for 10th Gen processor only)														
WWAN (optional)	One of the following, configurable by model: <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 * 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														
Case color	Black														
Case material	Display cover: PPS / 50% GF; Bottom: PA / 50% GF														
Smart card reader	Optional: Smart card reader														
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 models), 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: <ul style="list-style-type: none">• 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 (optional for special bid model), 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	Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified (may be disabled in some region)														
System Mgt (opt)	Intel vPro Technology														
Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest														
NFC (optional)	Near Field Communication														
Battery	Integrated Li-ion 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter														
Max battery life	MobileMark® 2014: 16.11 hr * Battery life varies significantly with settings, usage, & other factors														
AC adapter	<ul style="list-style-type: none">• 45W USB-C AC adapter• 65W USB-C AC adapter• 65W slim tip AC adapter														
Operating system (optional)	<ul style="list-style-type: none">• Windows® 10 Home 64• Windows 10 Pro 64• Windows 10 Pro in S mode														
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 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™ Gold; ENERGY STAR® 7.1; RoHS-compliant														

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

Lenovo
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