

ThinkPad T490 Secure Access / Healthcare Edition 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	FHD	Privacy Guard
Graphics	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB	DDR4-2400	Intel UHD Graphics		Weight			
	i5-8365U			1.6 GHz	4.1 GHz	6MB				3.41 lb / 1.55 kg			
	i7-8565U			1.8 GHz	4.6 GHz	8MB				3.56 lb / 1.61 kg			
	i7-8665U			1.9 GHz	4.8 GHz	8MB							
Case color	Black												
Case material	Display cover: PPS / 50% GF;												
	Keyboard cover: PC/ABS + Magnesium alloy (with ISO 22196 compliant anti-microbial surface treatment);												
Bottom: PA / 50% GF													
Graphics	Intel UHD Graphics in processor only 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)									Smart card reader	None		
Chipset	Intel SoC (System on Chip) platform									RFID reader	RFID reader supporting RFID / NFC		
	Memory	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									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, microSD card reader, RFID reader, side docking connector, security keyhole * Depending on many factors, actual data transfer speed may be lower than theoretical speed	
	14.0"	FHD (1920x1080)	IPS	Anti-glare	250 nits (non-touch) 300 nits (multi-touch)	16:9	700:1	45%	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 HDMI: Lenovo USB-C to HDMI Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter		
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°	Bundled Accy	None		
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 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 												
	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 											
Optical	None												
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)												
	vPro model: Intel Ethernet Connection I219-LM (Jacksonville)												
WLAN + Bluetooth™ (opt)	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.1 * BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)												
WWAN (optional)	One of the following, configurable by model: <ul style="list-style-type: none"> Wireless WAN upgradable (special bid only) Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card 												
	* For non-WWAN model, it means the model is NOT WWAN upgradable												
SIM card (opt)	Gemalto eSIM												
Keyboard	6-row, spill-resistant, multimedia Fn keys, 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	FIPS 201 fingerprint reader on palm rest												
NFC	NFC support via RFID reader												
Battery	Integrated Li-Polymer 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 hardware configurations, settings, usage, & other factors												
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 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™ Silver; ENERGY STAR® 8.0; RoHS-compliant												

Note: The specifications above may not be available in all regions and might change by regions.

Lenovo
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