

# ThinkPad T490s Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i5 / i7 Processor									Dimensions	<i>WxDxH (black with FHD / Privacy Guard):</i> 12.94" x 8.90" x 0.66"; 328.8mm x 226.15mm x 16.7mm <i>WxDxH (black with FHD Low Power / WQHD):</i> 12.95" x 8.89" x 0.63"; 329.0mm x 225.8mm x 16.1mm <i>WxDxH (silver):</i> 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	<table border="1"> <tr> <th>Models</th> <th>Black with FHD</th> <th>Black with FHD Low Power / WQHD / Privacy Guard</th> <th>Silver</th> </tr> <tr> <td>Weight</td> <td>2.98 lb / 1.35 kg</td> <td>2.81 lb / 1.27 kg</td> <td>3.29 lb / 1.49 kg</td> </tr> </table>			Models	Black with FHD	Black with FHD Low Power / WQHD / Privacy Guard	Silver	Weight	2.98 lb / 1.35 kg	2.81 lb / 1.27 kg	3.29 lb / 1.49 kg
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Weight	2.98 lb / 1.35 kg	2.81 lb / 1.27 kg	3.29 lb / 1.49 kg																		
Graphics	Intel UHD Graphics 620 in processor only; 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									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, one USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, microSD card reader, side docking connector, security keyhole										
	14.0"	FHD (1920x1080) Low Power	IPS	Anti-glare	400 nits	16:9	800:1	72%	170°	HDMI to VGA:	Lenovo HDMI to VGA Monitor Adapter										
	14.0"	FHD (1920x1080) ThinkPad Privacy Guard	IPS	Anti-glare	400 nits	16:9	1000:1	72%	170°	* Depending on many factors, actual data transfer speed may be lower than theoretical speed	USB-C to VGA: Lenovo USB-C to VGA Adapter										
	14.0"	WQHD (2560x1440) Dolby Vision™ HDR	IPS	Glossy	500 nits	16:9	1500:1	100% Adobe	170°	USB-C to DP:	Lenovo USB-C to DisplayPort Adapter										
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)									Monitor cable (optional)	Lenovo USB-C to DisplayPort Adapter										
Storage	<ul style="list-style-type: none"> <li>M.2 2280 SSD / SATA 6.0Gb/s</li> <li>M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4</li> <li>M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2</li> <li>Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2</li> </ul>									Camera	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>HD720p camera with ThinkShutter camera privacy, fixed focus</li> <li>IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus</li> </ul>										
Optical	None									Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 1W x 2, Dolby® Audio™ Premium / dual array far-field microphone, headphone / microphone combo jack										
Ethernet	Native Intel Ethernet Connection I219-V ( <i>Non-vPro</i> ) or I219-LM ( <i>vPro</i> ) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2									Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight										
WLAN (optional)	<i>One of the following, configurable by model:</i>									UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad										
	<ul style="list-style-type: none"> <li>Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 4.2</li> <li>Intel Wireless-AX 22260, Wi-Fi 2x2 802.11ax + Bluetooth 4.2</li> </ul>									Security	Power-on password, hard disk password, supervisor password, security keyhole										
Bluetooth™	Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter * WLAN card support Bluetooth 5.0 but is limited to Bluetooth 4.2 by Windows OS									Security chip	Discrete TPM 2.0, TCG Certified										
										vPro (optional)	Intel vPro Technology										
WWAN (optional)	<i>One of the following, configurable by model:</i>									Fingerprint reader	Optional: Touch style match on chip fingerprint reader on the palm rest										
	<ul style="list-style-type: none"> <li>Wireless WAN upgradable</li> <li>Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only)</li> <li>Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card</li> </ul> * For non-WWAN model, it means the model is NOT WWAN upgradable									NFC (optional)	Near Field Communication										
										Battery	Integrated Li-ion 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr)										
										Max battery life	MobileMark® 2014: 20 hr * Battery life varies significantly with settings, usage, & other factors										
										AC adapter	45W or 65W USB Type-C AC adapter										
										Preload	Windows® 10 Home 64 or Windows 10 Pro 64										
										Limited warranty	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>1-year depot repair service</li> <li>3-year/1-yr battery depot repair service</li> <li>3-year/1-yr battery limited onsite service</li> </ul>										
										Mil-Spec test	MIL-STD-810G military certification										
										Environment	EPEAT™ Bronze; ENERGY STAR® 7.0; RoHS-compliant										

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

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