

ThinkPad L390 Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor								Smart card readerNone Media reader PortsMicroSD card reader Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), HDMI 1.4b, Ethernet extension connector, headphone / microphone combo jack, microSD card reader, security keyhole <i>* Depending on many factors, actual data transfer speed may be lower than theoretical speed</i> USB-C to VGA Adapter:Lenovo USB-C to VGA Adapter USB-C to VGA (plus Power) Adapter:Lenovo USB-C to VGA plus Power Adapter USB-C to HDMI Adapter:Lenovo USB-C to HDMI Adapter USB-C to HDMI (plus Power) Adapter:Lenovo USB-C to HDMI plus Power Adapter USB-C to DisplayPort Adapter:Lenovo USB-C to DisplayPort Adapter USB-C to Ethernet Adapter:Lenovo USB-C to Ethernet Adapter USB-C to USB-A Adapter:Lenovo USB-C to USB-A Adapter USB-C to USB-C Cable 2m:Lenovo USB-C to USB-C Cable 2m
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	i3-8145U	2	4	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics 620	
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB			
	i5-8365U			1.6 GHz	4.1 GHz	6MB			
i7-8565U	1.8 GHz			4.6 GHz	8MB				
Graphics	Intel UHD Graphics 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304 @60Hz (USB Type-C); 4096x2160@30Hz (HDMI)								
Chipset	Intel SoC (System on Chip) platform								
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets <i>* Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation</i>								
Display	Size	Resolution	Surface	Type	Brightness	Aspect Ratio	Contrast Ratio	Viewing Angle	
	13.3"	HD (1366x768)	Anti-glare	TN	250 nits	16:9	500:1	90°	
	13.3"	FHD (1920x1080)	Anti-glare	IPS	250 nits	16:9	700:1 (non-touch) 800:1 (multi-touch)	170°	
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								
Storage	One of the following, configurable by model: • M.2 2280 SSD / SATA 6.0Gb/s • M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 • M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 • Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4								
Optical	None								
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro) via optional ThinkPad Ethernet Extension Cable or Lenovo USB-C to Ethernet Adapter								
WLAN Bluetooth™	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
WWAN SIM card	None								
Dimensions	WxDxH: 12.67" x 8.83" x 0.74"; 321.8mm x 224.2mm x 18.8mm								
Weight	Starting at 3.22 lb / 1.46 kg								
Case color	Black or Silver								
Case material	Display cover: Aluminum Bottom: GFRP								
Camera	HD720p camera, fixed focus								
Audio support	HD Audio, Realtek ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack								
Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch								
Security	Power-on password, hard disk password, supervisor password, security keyhole								
Security chip	Discrete TPM 2.0, TCG Certified								
System Mgt (opt)	Intel vPro Technology								
Fingerprint reader	Optional: Touch style fingerprint reader on the palm rest								
NFC (optional)	Near Field Communication								
Battery	Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter								
Max battery life	MobileMark® 2014: 14.61 hr <i>* Battery life varies significantly with settings, usage, & other factors</i>								
AC adapter	45W or 65W USB Type-C AC adapter								
Operating system	Optional: Windows® 10 Home 64 or Windows 10 Pro 64								
Limited warranty	One of the following, configurable by model: • 1-year depot repair service • 1-year depot with 2-year system board 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™ Silver; ENERGY STAR® 7.1; RoHS-compliant								

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

Lenovo
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