

# ThinkPad L390 Yoga Platform Specifications

Product Specifications Reference (PSREF)

Processor	8th Generation Intel® Core™ i3 / i5 / i7 Processor										Smart card reader	None
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics			Media reader Ports	MicroSD 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>
	i3-8145U	2	4	2.1 GHz	3.9 GHz	4MB	DDR4-2400	Intel UHD Graphics			Monitor cable (optional) • Lenovo USB-C to VGA Adapter • Lenovo USB-C to VGA plus Power Adapter • Lenovo USB-C to HDMI Adapter • Lenovo USB-C to HDMI plus Power Adapter • Lenovo USB-C to DisplayPort Adapter • Lenovo USB-C to Ethernet Adapter • Lenovo USB-C to USB-A Adapter • Lenovo USB-C to USB-C Cable 2m • ThinkPad Ethernet Extension Cable	
	i5-8265U	4	8	1.6 GHz	3.9 GHz	6MB						
	i5-8365U	4	8	1.6 GHz	4.1 GHz	6MB						
	i7-8565U	4	8	1.8 GHz	4.6 GHz	8MB						
Graphics	Intel UHD Graphics 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)										Bundled Accessories (optional)	
Chipset Memory	Intel SoC (System on Chip) platform 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>										Camera	<i>One of the following, configurable by model:</i> • HD720p camera, fixed focus • IR camera and HD720p camera, fixed focus (black model only) • World facing camera, 5MP resolution, auto focus (mutually exclusive with fingerprint reader)
Display	Size	Resolution	Type	Surface	Brightness	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle		Audio support	HD Audio, Realtek ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array microphone, headphone / microphone combo jack
	13.3"	FHD (1920x1080)	IPS	Anti-reflection	300 nits	16:9	800:1	72%	170°		Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch
Multi-touch	Capacitive-type multi-touch, supports 10-finger gesture, anti-reflection (AR), could reduce the brightness by up to 10%										Security Security chip	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)
Hinge	Yoga hinge, 360 degree										System Mgt (opt)	Intel vPro Technology
Multi-mode	Laptop, tent, stand and tablet										Fingerprint reader	<i>Optional:</i> Touch style fingerprint reader on the palm rest (mutually exclusive with World facing camera)
Pen (optional)	ThinkPad Pen Pro, active pen for multi-touch display, on-board garage										NFC (optional)	Near Field Communication
Storage	<i>One of the following, configurable by model:</i> • 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										Battery	Integrated Li-Polymer 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter <i>MobileMark® 2014: 12.17 hr</i> <i>* Battery life varies significantly with hardware configurations, settings, usage, &amp; other factors</i>
Optical	None										Max battery life	
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										AC adapter	• 45W USB-C AC adapter • 65W USB-C AC adapter • 65W USB-C slim AC adapter
WLAN + Bluetooth™	• Intel Wireless-AC 9462, Wi-Fi 1x1 802.11ac + Bluetooth 5.1, M.2 card • Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.1, M.2 card <i>* BT5.1 is supported on Windows 10 version 2004 or above (limited to BT5.0 on earlier version)</i>										Operating system	<i>Optional:</i> Windows® 10 Home 64 or Windows 10 Pro 64
WWAN SIM card	None										Limited warranty (optional)	• 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 limited onsite service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service
Dimensions	WxDxH: 12.67" x 8.83" x 0.74"; 321.8mm x 224.2mm x 18.8mm										Mil-Spec test	MIL-STD-810G military testing
Weight	Starting at 3.44 lbs / 1.56 kg										Environment	EPPEAT™ Silver; ENERGY STAR® 8.0; TCO Certified; RoHS-compliant
Case color	Black or Silver											
Case material	Display cover: Magnesium / Aluminum Bottom: GFRP											

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

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