

ThinkPad L450 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron® processor, 4th Generation Intel Core™ i5 Processor, or 5th Generation Intel Core i3 / i5 / i7 Processor								Dimensions ³ Weight ²	14.0" (WxDxH): 13.34" x 9.23" x 0.95"; 339mm x 235mm x 24.3mm			
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Models	3-cell		6-cell
	Cel 3205U	2	4	1.5 GHz	-	2MB	DDR3L-1600	Intel HD Graphics		Integrated	4.25 lb / 1.93 kg		4.43 lb / 2.01 kg
	i5-4300U			Intel HD Graphics 4400	Discrete	4.30 lb / 1.95 kg		4.50 lb / 2.04 kg					
	i3-5005U			Intel HD Graphics 5500									
	i5-5200U												
	i5-5300U												
i7-5500U													
Graphics	Intel HD Graphics or Intel HD Graphics 4400 / 5500 in processor only, or Intel HD Graphics 5500 in processor and AMD Radeon™ R5 M240, 2GB memory (discrete models are only available in Western Europe); supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports three independent displays; Max resolution: 3840x2160@60Hz (DP via mDP cable); 1920x1200@60Hz (VGA)								Case material	PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic			
Chipset	Intel SoC (System on Chip) platform								Smart card reader	Optional: Smart card reader			
Memory	16GB max ⁷ / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets								Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)			
Display	Some: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS								Ports	Three USB 3.0 (one Always On), VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector (integrated models only)			
Multi-touch	None								Camera (optional)	HD720p resolution, low light sensitive, fixed focus			
Storage	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ Some: SSHD with 8GB NAND flash memory M.2 Solid State Drive (SSD), via M.2 card slot None								Audio support	HD Audio, Realtek® ALC3232 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack			
M.2 SSD (opt)									Keyboard	6-row, spill-resistant, multimedia Fn keys			
Optical									UltraNav™	TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch			
Ethernet	Non-vPro model: Intel Ethernet Connection I218-V (Clarkville) vPro model: Intel Ethernet Connection I218-LM (Clarkville)								Security	Power-on password, hard disk password, supervisor password, security keyhole			
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Security chip	Trusted Platform Module, TCG 1.2-compliant			
WLAN ⁴	One of the following, configurable by model: • 11b/g/n, ThinkPad 11b/g/n, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card • 11b/g/n, Intel Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card (WE only) • 11a/b/g/n, Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card (WE only) • 11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 card								ThinkEngine	Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures			
WWAN (optional)	One of the following, configurable by model: • Wireless WAN upgradable • Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card (WE only) • Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card								vPro (optional)	Intel vPro Technology			
SIM card (opt)	AT&T® or Verizon® LTE (4G), contract required with service provider								Fingerprint reader	Optional: Fingerprint reader on the keyboard bezel, swipe sensor			
									Battery type	Li-Ion 3-cell (23Wh) or 6-cell (48Wh or 72Wh)			
									Max battery life ¹⁰	Models	3-cell 23Wh	6-cell 48Wh	6-cell 72Wh
										Integrated	5.2 hr	10.7 hr	16 hr
										Discrete	5.1 hr	10.6 hr	15.9 hr
									AC adapter	45W AC adapter or 65W AC adapter			
									Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64 • Lenovo Solution Center • Lenovo SHAREit • Lenovo REACHit • ThinkVantage Product Recovery • Rescue and Recovery™ • ThinkVantage System Update • PC Device Stage • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • Norton™ Internet Security (30 days of virus definitions)			
									Limited warranty ¹²	One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service ²⁴ • 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)			
									Mil-Spec test	MIL-STD-810G military certification			
									Environment	EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant			

Model	20DS0003++
Product	ThinkPad L450
Region	EMEA
Machine Type	20DS
TopSeller	No
Processor	Core i7-5500U (2C, 2.4 / 3.0GHz, 4MB)
vPro	No
Graphics	AMD Radeon R5 M240 2GB
Memory	8GBx1
Display	14" FHD (1920x1080) IPS
Multi-touch	None
Storage	256GB SSD Opal2
M.2 SSD	None
Optical	None
WLAN + Bluetooth	Intel 7265 a/b/g/n, 2x2 + BT4.0
WWAN	Sierra EM7345
SIM Card	None
Smart Card Reader	Smart Card Reader
Camera	720p
Keyboard	Non-backlit
Fingerprint Reader	Fingerprint Reader
Battery	6-cell (72Wh)
Power Adapter	65W
Operating System	Windows 8.1 DG Windows 7 Pro 64
Warranty	1-year, Depot
Global	No
Ann Date (mm/yy)	01/15



