

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 Speed	Processor Graphics		Models	3-cell	6-cell			
	Cel 3205U	2	2	1.5 GHz	-	2MB	DDR3L-1600	Intel HD Graphics	Integrated	4.25 lb / 1.93 kg	4.43 lb / 2.01 kg				
	i5-4300U			1.9 GHz	2.9 GHz	3MB		Intel HD Graphics 4400	Discrete	4.30 lb / 1.95 kg	4.50 lb / 2.04 kg				
	i3-5005U	4	4	2 GHz	-	3MB		Intel HD Graphics 5500	PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic						
	i5-5200U			2.2 GHz	2.7 GHz	3MB			Case material	PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic					
	i5-5300U			2.3 GHz	2.9 GHz	3MB			Smart card reader	Optional: Smart card reader					
	i7-5500U			2.4 GHz	3 GHz	4MB			Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)					
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)								Ports	Three USB 3.0 (one Always On), VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector (integrated models only)					
Chipset Memory	Intel SoC (System on Chip) platform 16GB max ⁷ / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets								Camera (optional)	HD720p resolution, low light sensitive, fixed focus					
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								Audio support	HD Audio, Realtek® ALC3232 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack					
Multi-touch	None								Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch					
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								Security	Power-on password, hard disk password, supervisor password, security keyhole					
M.2 SSD (opt) Optical	Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit Some: 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) • Norton™ Internet Security (30 days of virus definitions)								Security chip	Trusted Platform Module, TCG 1.2-compliant					
Ethernet	Non-vPro model: Intel Ethernet Connection I218-V (Clarkville) vPro model: Intel Ethernet Connection I218-LM (Clarkville)								ThinkEngine	Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures					
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								vPro (optional)	Intel vPro Technology					
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								Fingerprint reader	Optional: Fingerprint reader on the keyboard bezel, swipe sensor					
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								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	Some: Windows 8.1 64-bit				
										• Lenovo SHAREit	Some: Windows 8.1 Pro 64-bit				
										• Lenovo REACHit	Some: Windows 10 Pro 64				
										• ThinkVantage Product Recovery	• Lenovo Solution Center				
										• Rescue and Recovery™	• Lenovo SHAREit				
										• ThinkVantage System Update	• Lenovo REACHit				
										• PC Device Stage	• ThinkVantage Product Recovery				
										• Adobe® Reader®	• Lenovo Companion				
										• Microsoft® Office preloaded; purchase a product key to activate	• Norton Internet Security (30 days of virus definitions, Win8 w/o i5/i7 model)				
										• Norton™ Internet Security (30 days of virus definitions)	• Microsoft Office preloaded; purchase a product key to activate				
									Limited warranty ¹²	One of the following, configurable by model:					
										• 1-year depot repair service	• Norton Internet Security (30 days of virus definitions, Win8 w/o i5/i7 model)				
										• 3-year/1-yr battery depot repair service	• McAfee® LiveSafe™ (30-day trial, Win8 i5/i7 and Win10 model)				
										• 3-year/1-yr battery limited onsite service ²⁴	• McAfee® LiveSafe™ (30-day trial, Win8 i5/i7 and Win10 model)				
										• 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		20DT0005++
Product		L450
Region		WE
Machine Type		20DT
TopSeller		TopSeller
Processor		i5-5200U (2C, 2.2 / 2.7GHz, 3MB, 1600MHz)
vPro		No
Graphics		Intel HD Graphics 5500
Memory		8GBx1
Display		14" HD (1366x768)
Storage		500GB 7200rpm
M.2 SSD		None
Optical		None
WLAN &Bluetooth		Intel 7265 ac + BT4.0
WWAN		WWAN upgradable
SIM Card		None
Smart Card Reader		Smart Card Reader
Camera		720p
Backlit Keyboard		None
Fingerprint Reader		Fingerprint Reader
Battery Cells		6-cell (48Wh)
Power Adapter (watt)		45W
Preload		Windows 8.1 DG Windows 7 Pro 64
Base Warranty		1-year depot
Global		No
Ann Date (mm/yy)		01/15



