

# ThinkPad L470 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® Celeron® processor or 7th Generation Intel Core™ i3 / i5 / i7 Processor							Dimensions Weight	WxDxH: 13.35" x 9.25" x 0.94"; 339mm x 235mm x 23.9mm			
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types		Processor Graphics	Models	3-cell	6-cell
	Cel 3965U	2	4	2.2 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610	Integrated model	4.13 lb / 1.87 kg	4.45 lb / 2.02 kg	
	i3-7100U			2.4 GHz	-	3MB		Intel HD Graphics 620				
	i5-7200U			2.5 GHz	3.1 GHz	3MB						
	i5-7300U			2.6 GHz	3.5 GHz	3MB						
	i7-7500U			2.7 GHz	3.5 GHz	4MB						
	i7-7600U			2.8 GHz	3.9 GHz	4MB						
Graphics	Intel HD Graphics 610 or 620 in processor only, or Intel HD Graphics 620 in processor and AMD Radeon™ R5 M430, 2GB memory; 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)								Camera (optional)	HD720p resolution, fixed focus		
Chipset	Intel SoC (System on Chip) platform							Audio support	HD Audio, Realtek ALC3268 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack			
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller							Keyboard	6-row, spill-resistant, multimedia Fn keys			
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, IPS, 250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle							UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad			
Multi-touch	None							Security	Power-on password, hard disk password, supervisor password, security keyhole			
Storage	System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s Some: 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage Some: 16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as storage cache for HDD							Security chip	Win7 model: discrete TPM 1.2, TCG Certified Win10 model: discrete TPM 2.0, TCG Certified			
Ethernet	None							vPro (optional)	Intel vPro Technology			
WLAN	One of the following, configurable by model: • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card Bluetooth™ * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS							Fingerprint reader	Optional: Swipe style fingerprint reader on the keyboard bezel			
Bluetooth™	None							NFC	None			
WWAN (optional)	One of the following, configurable by model: • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455), M.2 card • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU), M.2 card (EMEA only)							Battery	Li-Ion 3-cell (24Wh) or 6-cell (48Wh or 72Wh)			
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card							Max battery life <sup>10</sup> (MobileMark® 2014)	Models	3-cell	6-cell 48Wh	6-cell 72Wh
								Integrated model	7.24 hr	14.48 hr	21.72 hr	
								discrete model	4.34 hr	8.68 hr	13.02 hr	
								AC adapter	45W or 65W AC adapter			
								Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 • Lenovo Solution Center • Lenovo PowerEngage • ThinkVantage Product Recovery • ThinkVantage System Update • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial) Some: Windows 10 Home 64 Some: Windows 10 Pro 64 • Lenovo Companion • Lenovo Setting • Microsoft Office preloaded; purchase a product key to activate			
								Limited warranty	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			
								Mil-Spec test	MIL-STD-810G military certification			
								Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant			