

ThinkPad L470 Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i3 / i5 / i7 Processor (i7 processor is not available in EMEA) or																			
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics												
	i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520												
	i5-6200U			2.3 GHz	2.8 GHz	3MB														
	i5-6300U			2.4 GHz	3.0 GHz	3MB														
	i7-6600U			2.6 GHz	3.4 GHz	4MB														
	Intel Celeron® Processor or 7th Generation Intel Core i3 / i5 / i7 Processor																			
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics												
	Cel 3965U	2	2	2.2 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610												
	i3-7100U		4	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)																			
Chipset	Intel SoC (System on Chip) platform																			
Memory	32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller																			
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, 400:1 or 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																			
Multi-touch	None																			
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, mutually exclusive with WWAN																			
Optical	None																			
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)																			
WWAN	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 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS																			
Bluetooth™																				
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) Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card																			
SIM card (opt)																				
Dimensions	WxDxH: 13.35" x 9.25" x 0.94"; 339mm x 235mm x 23.9mm																			
Weight	<table><tr><td>Models</td><td>3-cell</td><td>6-cell</td></tr><tr><td>Integrated model</td><td>4.13 lb / 1.87 kg</td><td>4.45 lb / 2.02 kg</td></tr><tr><td>discrete model</td><td>4.16 lb / 1.89 kg</td><td>4.48 lb / 2.03 kg</td></tr></table>								Models	3-cell	6-cell	Integrated model	4.13 lb / 1.87 kg	4.45 lb / 2.02 kg	discrete model	4.16 lb / 1.89 kg	4.48 lb / 2.03 kg			
Models	3-cell	6-cell																		
Integrated model	4.13 lb / 1.87 kg	4.45 lb / 2.02 kg																		
discrete model	4.16 lb / 1.89 kg	4.48 lb / 2.03 kg																		
Case color	Black																			
Case material	PC/ABS plastic																			
Smart card reader	Optional: Smart card reader																			
Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)																			
Ports	Three USB 3.1 Gen 1 / USB 3.0 (one Always On), VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector																			
Camera (optional)	HD720p resolution, fixed focus																			
Audio support	HD Audio, Realtek ALC3268 codec / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack																			
Keyboard	6-row, spill-resistant, multimedia Fn keys																			
UltraNav™	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad																			
Security	Power-on password, hard disk password, supervisor password, security keyhole																			
Security chip	Discrete TPM 2.0, TCG Certified																			
vPro (optional)	Intel vPro Technology																			
Fingerprint reader	Optional: Swipe style fingerprint reader on the keyboard bezel																			
NFC	None																			
Battery	Li-Ion 3-cell (24Wh) or 6-cell (48Wh or 72Wh)																			
Max battery life ¹⁰ (MobileMark® 2014)	<table><tr><td>Models</td><td>3-cell</td><td>6-cell 48Wh</td><td>6-cell 72Wh</td></tr><tr><td>Integrated model</td><td>7.24 hr</td><td>14.48 hr</td><td>21.72 hr</td></tr><tr><td>discrete model</td><td>4.34 hr</td><td>8.68 hr</td><td>13.02 hr</td></tr></table>								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
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																			

Model	20J4000L++
Product	ThinkPad L470
Region	EMEA
Machine Type	20J4
TopSeller	TopSeller
Processor	Core i5-7200U (2C, 2.5 / 3.1GHz, 3MB)
vPro	No
Graphics	Integrated Intel HD Graphics 620
Memory	8GBx1
Display	14" FHD (1920x1080) IPS
Multi-touch	None
Storage	256GB SSD Opal2
Optical	None
WLAN + Bluetooth	Intel 8265 ac, 2x2 + BT4.1
WWAN	WWAN Upgradable
SIM Card	None
Smart Card Reader	Smart Card Reader
Camera	720p
Keyboard	Non-backlit
Fingerprint Reader	Fingerprint Reader
TPM	dTPM 2.0
Battery	6-cell (48Wh)
Power Adapter	45W
Operating System	Windows 10 Pro 64
Warranty	1-year, Depot
Global	No
Ann Date (mm/yy)	01/17





