ThinkPad L470 Platform Specifications

Processor

6th Generation Intel® Core™ i3 / i5 / i7 Processor or

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-6006U			2.0 GHz	-	3MB		
i3-6100U	2	4	2.3 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		

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 GHz	-	2MB		Intel HD Graphics 610
i3-7100U			2.4 GHz	-	3MB		
i5-7200U	2		2.5 GHz	3.1 GHz	3MB	DDR4-2133	
i5-7300U		4	2.6 GHz	3.5 GHz	3MB		Intel HD Graphics 620
i7-7500U			2.7 GHz	3.5 GHz	4MB		
i7-7600U			2.8 GHz	3.9 GHz	4MB		

* i7 processor is NOT available in EMEA

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, 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)

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™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
* Intel 8260ac / 8265ac card support BT4.2 but is limited to BT4.1 by Windows OS

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)

SIM card *(opt)*

Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card

Dimensions Weight

WxDxH: 13.35" x 9.25" x 0.94"; 339mm x 235mm x 23.9mm

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
* Depending on many factors, actual data transfer speed may be lower than theoretical speed

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)*

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

* Battery life varies significantly with settings, usage, & other factors

AC adapter

45W or 65W slim tip AC adapter

Operating system

One of the following, configurable by model:
• Windows® 7 Professional 64 preinstalled
through downgrade rights in Windows 10 Pro 64
• Windows 10 Home 64
• Windows 10 Pro 64

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 testing

Environment

EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant

Note: The specifications above may not be available in all regions.