ThinkPad T570 Platform Specifications

Product Specifications Reference (PSREF)

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

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-6300U	2	4	2.4 GHz	3.0 GHz	3MB	DDR4-2133	Intel HD Graphics 520
i7-6600U			2.6 GHz	3.4 GHz	4MB		

or 7th Generation Intel Core i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620
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 520 or 620 in processor only, or
Intel HD Graphics 520 or 620 in processor and
NVIDIA GeForce® 940MX, 2GB 2.5GHz GDDR5 memory;
supports external digital monitor via HDMI or USB Type-C;
supports three independent displays;
Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)

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: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight,
  220 nits,16:9 aspect ratio, 400:1 contrast ratio
Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS,
  250 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle
Some: 15.6" (396mm) 4K (3840x2160), anti-glare, LED backlight, IPS, 300 nits,
  16:9 aspect ratio, 1000:1 contrast ratio, 72% gamut, 170° viewing angle
Multi-touch (opt) On-cell touch, supports 10-finger gesture (FHD only)

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 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 WiGig
Some: 16GB Intel Optane™ memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s,
  in WWAN slot as storage cache for HDD, mutually exclusive with WiGig

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 (WiGig can coexist with WWAN):
• 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
• Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1,
  M.2 card

Bluetooth™ Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
* *Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS*

WWAN (optional) *One of the following, configurable by model (WWAN can coexist with WiGig):*
• 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 *WxDxH:* 14.40" x 9.95" x 0.79-0.80"; 365.8mm x 252.8mm x 19.95-20.2mm
Weight

Models	4 + 3-cell	6-cell	4 + 6-cell
Integrated Non-touch	4.30 lb / 1.95 kg	4.70 lb / 2.13 kg	4.70 lb / 2.13 kg
Integrated Multi-touch	4.34 lb / 1.97 kg	4.75 lb / 2.16 kg	4.75 lb / 2.16 kg
Discrete Non-touch	4.39 lb / 1.99 kg	4.80 lb / 2.18 kg	4.80 lb / 2.18 kg
Discrete Multi-touch	4.44 lb / 2.01 kg	4.85 lb / 2.20 kg	4.85 lb / 2.20 kg

Case color Black
Case material *Display cover:* Glass-Fiber Reinforced Plastic (PPS);
  Bottom: Glass-Fiber Reinforced Plastic

Smart card reader *Optional:* Smart card reader
Media reader SD 3.0, UHS-I
Ports Three USB 3.1 Gen 1 / USB 3.0 (one Always On),
  USB 3.1 Type-C Gen 2 / Thunderbolt 3 / DisplayPort 1.2a / Power Delivery 2.0,
  HDMI 1.4b, Ethernet (RJ-45), Dock connector
WiGig dock (opt) ThinkPad WiGig dock
Monitor cable *HDMI to VGA:*   Lenovo HDMI to VGA Monitor Adapter
(optional) *USB-C to VGA:* Lenovo USB-C to VGA Adapter

Camera (optional) *720p:*   HD720p resolution, fixed focus
  IR & 720p: IR camera and HD720p camera (mutually exclusive with WiGig)
Audio support HD Audio, Realtek ALC3268 codec / stereo speakers, 2W x 2 /
  dual array microphone, combo audio/microphone jack

Keyboard 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight
UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad

Security Power-on password, hard disk password, supervisor password, security keyhole
Security chip *Win7 model:*   discrete TPM 1.2, TCG Certified
  Win10 model: discrete TPM 2.0, TCG Certified
vPro (optional) Intel vPro Technology
Fingerprint reader *Optional:* Touch style match on chip fingerprint reader on the palm rest
NFC (optional) Near Field Communication

Internal battery *Optional:* Integrated Li-Polymer 4-cell *(32Wh)*
External battery Li-Polymer 3-cell *(24Wh)* or Li-Ion 6-cell *(48Wh or 72Wh)*
Max battery life
(MobileMark® 2014)

Models	4 + 3-cell	6-cell 48Wh	6-cell 72Wh	4 + 6-cell 48Wh	4 + 6-cell 72Wh
Integrated	13.8 hr	12.5 hr	18.5 hr	20.3 hr	27.1 hr
discrete	13.8 hr	12.5 hr	18.5 hr	20.0 hr	26.8 hr

AC adapter 45W or 65W AC adapter (slim tip), 45W or 65W USB Type-C AC adapter

Preload Windows® 7 Professional 64 preinstalled *Some:* Windows 10 Home 64
  through downgrade rights in   *Some:* Windows 10 Pro 64
  Windows 10 Pro 64
• Lenovo Solution Center   • Lenovo Companion
• Lenovo PowerEngage   • Lenovo Setting
• ThinkVantage Product Recovery   • Microsoft Office preloaded;
• ThinkVantage System Update   purchase a product key to activate
• Adobe® Reader®
• Microsoft® Office preloaded;
  purchase a product key to activate
• McAfee® LiveSafe™ (30-day trial)

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

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