

ThinkPad X270 Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i3 / i5 / i7 Processor								WWAN (optional) <i>One of the following, configurable by model (mutually exclusive with WiGig):</i> • Wireless WAN upgradable • Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455) • Integrated Mobile Broadband 4G LTE, Intel XMM™ 7160 (Fibocom L831-EAU) (EMEA only)											
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	SIM card (opt) Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card											
	i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520	Dimensions WxDxH: 12.03" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm											
	i3-6100U			2.3 GHz	-	3MB			Weight <table><tr><td>Models</td><td>No + 3-cell</td><td>3-cell + 3-cell</td><td>3 + 6-cell</td></tr><tr><td>Weight</td><td>2.79 lb / 1.27 kg</td><td>2.98 lb / 1.36 kg</td><td>3.33 lb / 1.52 kg</td></tr></table>				Models	No + 3-cell	3-cell + 3-cell	3 + 6-cell	Weight	2.79 lb / 1.27 kg	2.98 lb / 1.36 kg	3.33 lb / 1.52 kg
Models	No + 3-cell			3-cell + 3-cell	3 + 6-cell															
Weight	2.79 lb / 1.27 kg			2.98 lb / 1.36 kg	3.33 lb / 1.52 kg															
	i5-6200U			2.3 GHz	2.8 GHz	3MB														
	i5-6300U			2.4 GHz	3.0 GHz	3MB														
	i7-6500U	2.5 GHz	3.1 GHz	4MB																
	i7-6600U	2.6 GHz	3.4 GHz	4MB																
	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	Case color Black											
	i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	Case material Glass-Fiber Reinforced Plastic											
	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 520 or 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2160@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)								Smart card readerOptional: Smart card reader											
Chipset	Intel SoC (System on Chip) platform								Media reader4-in-1 reader (MMC, SD, SDHC, SDXC)											
Memory	16GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket								PortsTwo USB 3.1 Type-A Gen 1 / USB 3.0 (one Always On), USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet (RJ-45), Dock connector											
	* System clocks down for processors with lower memory controller								WiGig dock (opt) ThinkPad WiGig dock, mutually exclusive with WWAN (US only)											
Display	<i>Some:</i> 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio								Monitor cable (optional)HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter											
	<i>Some:</i> 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle								USB-C to VGA: Lenovo USB-C to VGA Adapter											
	<i>Some:</i> 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle								USB-C to DP: Lenovo USB-C to DisplayPort Adapter											
Multi-touch	None								Camera (optional)HD720p resolution, fixed focus											
Storage	System has one HDD slot or one M.2 2280 slot exclusively for storage								Audio supportHD Audio, Realtek ALC3268 codec / stereo speakers, 1.5W x 2 / dual array microphone, combo audio/microphone jack											
	<i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™								Keyboard6-row, spill-resistant, multimedia Fn keys, optional LED backlight											
	<i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)								UltraNav™TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad											
	<i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s								SecurityPower-on password, hard disk password, supervisor password, security keyhole											
	<i>Some:</i> 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig								Security chipDiscrete TPM 2.0, TCG Certified											
Optical	None								vPro (optional)Intel vPro Technology											
Ethernet	Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville)								Fingerprint readerOptional: Touch style match on chip fingerprint reader on the palm rest											
	vPro model: Intel Ethernet Connection I219-LM (Jacksonville)								NFC (optional)Near Field Communication											
WWAN	One of the following, configurable by model (WiGig is mutually exclusive with WWAN): • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1 • Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1 • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1 • Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1 (US only)								Internal batteryOptional: Integrated Li-Ion or Li-Polymer 3-cell (23Wh)											
									External batteryLi-Ion 3-cell (23Wh) or 6-cell (48Wh or 72Wh)											
									Max battery lifeMobileMark® 2014: 13.04 hr (3-cell + 3-cell)											
									AC adapter45W AC adapter (slim tip) or 45W USB Type-C AC adapter											
									PreloadWindows® 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 • Lenovo Companion • Lenovo Setting • Microsoft Office preloaded; purchase a product key to activate											
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Limited warrantyOne 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											
	* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS								Mil-Spec testMIL-STD-810G military certification											
									EnvironmentEPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant											