

ThinkPad X270 Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i3 / i5 / i7 Processor								WWAN (optional) One of the following, configurable by model (mutually exclusive with WiGig): <ul style="list-style-type: none"> 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									
	i3-6100U			2.3 GHz	-	3MB											
	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											
Processor	or 7th Generation Intel Core i3 / i5 / i7 Processor								Dimensions <i>WxDxH:</i> 12.03" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm Weight <table border="1"> <tr> <td><i>Models</i></td> <td><i>No + 3-cell</i></td> <td><i>3-cell + 3-cell</i></td> <td><i>3 + 6-cell</i></td> </tr> <tr> <td><i>Weight</i></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>	<i>Models</i>	<i>No + 3-cell</i>	<i>3-cell + 3-cell</i>	<i>3 + 6-cell</i>	<i>Weight</i>	2.79 lb / 1.27 kg	2.98 lb / 1.36 kg	3.33 lb / 1.52 kg
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	i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	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 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)	Camera (optional) HD720p resolution, fixed focus Audio support HD Audio, Realtek ALC3268 codec / stereo speakers, 1.5W x 2 / dual array microphone, combo audio/microphone jack
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Chipset Memory	Intel SoC (System on Chip) platform 16GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket * System clocks down for processors with lower memory controller	Keyboard 6-row, spill-resistant, multimedia Fn keys, optional LED backlight UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
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Display	<i>Some:</i> 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio <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 <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	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) Touch style match on chip fingerprint reader on the palm rest NFC (optional) Near Field Communication
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Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)	Internal battery <i>Optional:</i> Integrated Li-Ion or Li-Polymer 3-cell (23Wh) External battery Li-Ion 3-cell (23Wh) or 6-cell (48Wh or 72Wh)
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Storage	<i>System has one HDD slot or one M.2 2280 slot exclusively for storage</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD) <i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s <i>Some:</i> 128GB M.2 SSD / SATA 6.0Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN and WiGig	Max battery life (MobileMark® 2014) <table border="1"> <tr> <td><i>Models</i></td> <td><i>No + 3-cell</i></td> <td><i>3-cell + 3-cell</i></td> <td><i>3-cell + 6-cell 48Wh</i></td> <td><i>3-cell + 6-cell 72Wh</i></td> </tr> <tr> <td><i>Max battery life</i></td> <td>6.52 hr</td> <td>13.04 hr</td> <td>20.1 hr</td> <td>26.9 hr</td> </tr> </table>	<i>Models</i>	<i>No + 3-cell</i>	<i>3-cell + 3-cell</i>	<i>3-cell + 6-cell 48Wh</i>	<i>3-cell + 6-cell 72Wh</i>	<i>Max battery life</i>	6.52 hr	13.04 hr	20.1 hr	26.9 hr
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<i>Max battery life</i>	6.52 hr	13.04 hr	20.1 hr	26.9 hr								

Optical	None	AC adapter 45W AC adapter (slim tip) or 45W USB Type-C AC adapter
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Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I219-V (Jacksonville) <i>vPro model:</i> Intel Ethernet Connection I219-LM (Jacksonville)	Preload Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 <ul style="list-style-type: none"> 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)
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WLAN	<i>One of the following, configurable by model (WiGig is mutually exclusive with WWAN):</i> <ul style="list-style-type: none"> 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) 	Limited warranty <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> 1-year depot repair service 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service
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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	Mil-Spec test MIL-STD-810G military certification Environment EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant
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