

ThinkPad X270 20HN005Q++

Region
EMEA

Machine Type
20HN

TopSeller
TopSeller

Processor
Core i5-7200U (2C, 2.5 / 3.1GHz, 3MB)

vPro
No

Graphics
Integrated Intel HD Graphics 620

Memory
4GBx1

Display
12.5" HD (1366x768) IPS

Multi-touch
None

Storage
500GB 7200rpm

Optical
None

WLAN + Bluetooth
Intel 8265 ac, 2x2 + BT4.1

WWAN
WWAN Upgradable

SIM Card
None

Smart Card Reader
Smart Card Reader

Dock
None

Monitor Cable
None

Camera
720p

Keyboard
Backlit

Fingerprint Reader
Fingerprint Reader

NFC
None

TPM
dTPM 2.0

Battery
3-cell (23Wh) + 3-cell (23Wh)

Power Adapter
45W Slim Tip

Operating System
Windows 10 Pro 64

Warranty
3-year, Onsite

End of Support
Jul 11, 2022

Ann Date (mm/yy)
04/17

Note:

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "***" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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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): - 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		
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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								Case color Black														
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Case material Display cover: Glass-Fiber Reinforced Plastic; Bottom: Glass-Fiber Reinforced Plastic														
	i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	Smart card readerOptional: Smart card reader														
	i5-7200U			2.5 GHz	3.1 GHz	3MB			Media reader4-in-1 reader (MMC, SD, SDHC, SDXC)														
	i5-7300U			2.6 GHz	3.5 GHz	3MB			PortsTwo USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet (RJ-45), Dock connector														
	i7-7500U			2.7 GHz	3.5 GHz	4MB			WiGig dock (opt)ThinkPad WiGig dock, mutually exclusive with WWAN (US only)														
	i7-7600U			2.8 GHz	3.9 GHz	4MB			Monitor cable (optional)HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter														
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														
Chipset	Intel SoC (System on Chip) platform								Audio supportHD Audio, Realtek ALC3268 codec / stereo speakers, 1.5W x 2 / dual array microphone, combo audio/microphone jack														
Memory	16GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket * System clocks down for processors with lower memory controller								Keyboard6-row, spill-resistant, multimedia Fn keys, optional LED backlight														
Display	Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle Some: 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle								UltraNav™TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad														
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								SecurityPower-on password, hard disk password, supervisor password, security keyhole														
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 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) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)								Fingerprint readerOptional: Touch style match on chip fingerprint reader on the palm rest														
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)								NFC (optional)Near Field Communication														
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								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 life (MobileMark® 2014) <table><tr><td>Models</td><td>No + 3-cell</td><td>3-cell + 3-cell</td><td>3-cell + 6-cell 48Wh</td><td>3-cell + 6-cell 72Wh</td></tr><tr><td>Max battery life</td><td>6.52 hr</td><td>13.04 hr</td><td>20.1 hr</td><td>26.9 hr</td></tr></table>					Models	No + 3-cell	3-cell + 3-cell	3-cell + 6-cell 48Wh	3-cell + 6-cell 72Wh	Max battery life	6.52 hr	13.04 hr	20.1 hr	26.9 hr
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Max battery life	6.52 hr	13.04 hr	20.1 hr	26.9 hr																			
									AC adapter45W slim tip AC adapter 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)														
									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														
									Mil-Spec testMIL-STD-810G military certification														
									EnvironmentEPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant														

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