

ThinkPad X250 Platform Specifications

Product Specifications Reference (PSREF)

Processor	5th Generation Intel® Core™ i3 / i5 / i7 Processor								Smart card reader	<i>Optional:</i> Smart card reader														
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)														
	i5-4300U	2	4	1.9 GHz	2.9 GHz	3MB	DDR3L-1600	Intel HD graphics 4400	Ports	Two USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector														
	i3-5010U			2.1 GHz	-	3MB		Intel HD Graphics 5500	Camera (<i>optional</i>) HD720p resolution, low light sensitive, fixed focus															
	i5-5200U			2.2 GHz	2.7 GHz	3MB				Audio support	HD Audio, Realtek® ALC3232 codec / stereo speakers, 1.5W x 2 / dual array microphone, combo audio/microphone jack													
	i5-5300U			2.3 GHz	2.9 GHz	3MB				Keyboard	6-row, spill-resistant, multimedia Fn keys, optional LED backlight													
i7-5600U	2.6 GHz			3.2 GHz	4MB	UltraNav™				TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch														
Graphics	Intel HD Graphics 5500 in processor, 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)								Security	Power-on password, hard disk password, supervisor password, security keyhole														
Chipset	Intel SoC (System on Chip) platform								Security chip	Discrete TPM 1.2, TCG Certified														
Memory	16GB max / PC3-12800 1600MHz DDR3L, one 204-pin SO-DIMM socket								ThinkEngine	Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures														
Display	<i>Some:</i> 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio <i>Some:</i> 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS <i>Some:</i> 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, 400 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS								vPro (<i>optional</i>)	Intel vPro Technology														
Multi-touch (<i>opt</i>)	Capacitive-type multi-touch, supports 10-finger gesture, 270 or 360 nits								Fingerprint reader	<i>Optional:</i> Fingerprint reader on the keyboard bezel, swipe sensor														
Storage	<i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ <i>Some:</i> SSHD with 8GB NAND flash memory								Internal battery	<i>Optional:</i> Integrated Li-Ion or Li-Polymer 3-cell (23Wh)														
M.2 SSD (<i>opt</i>)	M.2 Solid State Drive (SSD), via M.2 card slot								External battery	Li-Ion 3-cell (23Wh) or 6-cell (48Wh or 72Wh)														
Optical	None								Max battery life ¹⁰	<table border="1"> <thead> <tr> <th>Models</th> <th>No + 3-cell</th> <th>3-cell + 3-cell</th> <th>3-cell + 6-cell 48Wh</th> <th>3-cell + 6-cell 72Wh</th> </tr> </thead> <tbody> <tr> <td>Battery life</td> <td>5.2 hr</td> <td>10.7 hr</td> <td>16.0 hr</td> <td>21.4 hr</td> </tr> </tbody> </table>					Models	No + 3-cell	3-cell + 3-cell	3-cell + 6-cell 48Wh	3-cell + 6-cell 72Wh	Battery life	5.2 hr	10.7 hr	16.0 hr	21.4 hr
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Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I218-V (Clarkville) <i>vPro model:</i> Intel Ethernet Connection I218-LM (Clarkville)								AC adapter	45W AC adapter														
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64 • Lenovo Solution Center • Lenovo SHAREit • Lenovo SHAREit • ThinkVantage Product Recovery • Rescue and Recovery™ • ThinkVantage System Update • PC Device Stage • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • Norton™ Internet Security (30 days of virus definitions)														
WLAN ⁴	<i>One of the following, configurable by model:</i> • 11b/g/n, ThinkPad 11b/g/n, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card • 11b/g/n, Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card • 11a/b/g/n, Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT adapter, M.2 card • 11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 card								Limited warranty ¹²	<i>One of the following, configurable by model:</i> • 1-year depot repair service • 3-year/1-yr battery depot repair service • 3-year/1-yr battery limited onsite service ²⁴ • 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)														
WWAN (<i>optional</i>)	<i>One of the following, configurable by model:</i> • Wireless WAN upgradable • Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card • Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card								Mil-Spec test	MIL-STD-810G military certification														
SIM card (<i>opt</i>)	AT&T® or Verizon® LTE (4G), contract required with service provider								Environment	EPEAT™ Gold (US) or EPEAT Silver (WE); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant														
Dimensions ³	12.5" (WxDxH): 12.0" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm 12.5" Touch (WxDxH): 12.0" x 8.21" x 0.85"; 305.5mm x 208.5mm x 21.5mm																							
Weight ²	Models	No + 3-cell	3-cell + 3-cell	No + 6-cell	3-cell + 6-cell																			
	Non-touch	2.88 lb / 1.31 kg	3.13 lb / 1.42 kg	3.23 lb / 1.47 kg	3.48 lb / 1.58 kg																			
	Multi-touch	-	3.29 lb / 1.49 kg	-	3.64 lb / 1.65 kg																			
Case material	<i>Display cover:</i> Glass-Fiber Reinforced Plastic (non-touch model) or Carbon-Fiber Reinforced Plastic (multi-touch model); <i>Bottom:</i> Glass-Fiber Reinforced Plastic																							

Model	20CL001D++
Product	ThinkPad X250
Region	WE
Machine Type	20CL
TopSeller	No
Processor	Core i5-5300U (2C, 2.3 / 2.9GHz, 3MB)
vPro	vPro
Graphics	Integrated Intel HD Graphics 5500
Memory	8GBx1
Display	12.5" HD (1366x768) IPS
Multi-touch	None
Storage	256GB SSD Opal2
M.2 SSD	None
Optical	None
WLAN + Bluetooth	Intel 7265 ac, 2x2 + BT4.0
WWAN	WWAN Upgradable
SIM Card	None
Smart Card Reader	None
Camera	720p
Keyboard	Backlit
Fingerprint Reader	Fingerprint Reader
Battery	3-cell (23Wh) + 3-cell (23Wh)
Power Adapter	45W
Operating System	Windows 8.1 DG Windows 7 Pro 64
Warranty	3-year, Onsite
Global	Global
Ann Date (mm/yy)	01/15



