

# ThinkPad X1 Carbon (3<sup>rd</sup> Gen) Platform Specifications

Processor	5th Generation Intel® Core™ i5 / i7 Processor							
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
	i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB	DDR3L-1600	Intel HD Graphics 5500
	i5-5300U			2.3 GHz	2.9 GHz	3MB		
	i7-5500U			2.4 GHz	3 GHz	4MB		
	i7-5600U			2.6 GHz	3.2 GHz	4MB		
Graphics	Intel HD Graphics 5500 in processor, external digital monitor support via Mini DisplayPort or HDMI™ (supports VGA analog monitor via Mini DisplayPort to VGA Monitor Cable); supports three independent displays; Max resolution: 3840x2160 (Mini DisplayPort)@60Hz; 4096x2304 (HDMI)@24Hz							
Chipset Memory	Intel SoC (System on Chip) platform 4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets							
Display	<i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 400:1 contrast ratio <i>Some:</i> 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS, 170° viewing angle							
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, 270 nits							
Storage Optical	M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxG SSD PCIe or xxxG SSD) None							
Ethernet Bluetooth™	Gigabit Ethernet via Ethernet extension cable Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter							
WLAN <sup>4</sup>	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>• 11b/g/n, Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card</li> <li>• 11a/b/g/n, Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT adapter, M.2 card</li> <li>• 11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 card</li> </ul>							
WWAN (optional)	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>• Wireless WAN upgradable</li> <li>• Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card</li> <li>• Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card</li> </ul>							
SIM card (opt)	AT&T® or Verizon® LTE (4G), contract required with service provider							
Dimensions <sup>3</sup>	<i>WQHD (WxDxH):</i> 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm <i>FHD (WxDxH):</i> 13.03" x 8.93" x 0.71"; 331.0mm x 226.8mm x 18.16mm <i>WQHD Touch (WxDxH):</i> 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm							
Weight <sup>2</sup>	<i>Models</i>		<i>FHD</i>		<i>WQHD</i>		<i>WQHD Touch</i>	
	<i>Weight</i>		2.996 lb / 1.359 kg		2.877 lb / 1.305 kg		3.175 lb / 1.44 kg	
Case material	<i>Display cover:</i> Carbon-Fiber Reinforced Plastic + Glass-Fiber Reinforced Plastic; <i>Bottom:</i> Magnesium/Aluminum							

Media reader Ports	None Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector														
Monitor cable	<i>Optional:</i> Mini DisplayPort to VGA Monitor Cable														
Camera Audio support	HD720p resolution, low light sensitive, fixed focus, gesture input HD Audio, Realtek® ALC3232 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack														
Keyboard UltraNav™	6-row, LED backlit, spill-resistant, multimedia Fn keys TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch														
Security	Power-on password, hard disk password, supervisor password, security keyhole, reset switch														
Security chip ThinkEngine	Trusted Platform Module, TCG 1.2-compliant Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures														
vPro (optional)	Intel vPro Technology														
Fingerprint reader	Fingerprint reader on the keyboard bezel, swipe sensor														
Battery type	Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery														
Max battery life <sup>10</sup>	<table border="1"> <thead> <tr> <th>Models</th> <th>FHD</th> <th>WQHD</th> <th>WQHD Touch</th> </tr> </thead> <tbody> <tr> <td>Battery life</td> <td>10.9 hr</td> <td>9.9 hr</td> <td>9.9 hr</td> </tr> </tbody> </table>			Models	FHD	WQHD	WQHD Touch	Battery life	10.9 hr	9.9 hr	9.9 hr				
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AC adapter RapidCharge	45W AC adapter, 65W Slim AC adapter, or 65W AC adapter														
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Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64	<i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 10 Pro 64 <ul style="list-style-type: none"> <li>• Lenovo Solution Center</li> <li>• Lenovo SHAREit</li> <li>• Lenovo REACHit</li> <li>• Lenovo Companion</li> <li>• Microsoft Office preloaded; purchase a product key to activate</li> <li>• Norton Internet Security (30 days of virus definitions, Win8 w/o i5/i7 model)</li> <li>• McAfee® LiveSafe™ (30-day trial, Win8 i5/i7 and Win10 model)</li> </ul>													
Limited warranty <sup>12</sup>	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>• 1-year depot repair service</li> <li>• 3-year/1-yr battery depot repair service</li> <li>• 3-year/1-yr battery limited onsite service<sup>24</sup></li> <li>• 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)</li> </ul>														
Mil-Spec test	MIL-STD-810G military certification														
Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant														