

ThinkPad X1 Carbon (3rd Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	5th Generation Intel® Core™ i5 / i7 Processor								Media reader	None												
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Speed	Processor Graphics	Ports	Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector												
	i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB	DDR3L-1600	Intel HD Graphics 5500	Monitor cable	<i>Optional:</i> Mini DisplayPort to VGA Monitor Cable												
	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																	
Camera	HD720p resolution, low light sensitive, fixed focus, gesture input																					
Audio support	HD Audio, Realtek® ALC3232 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack																					
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								Keyboard	6-row, LED backlit, spill-resistant, multimedia Fn keys												
Chipset	Intel SoC (System on Chip) platform								UltraNav™	TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch												
Memory	4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets								Security	Power-on password, hard disk password, supervisor password, security keyhole, reset switch												
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								Security chip	Trusted Platform Module, TCG 1.2-compliant												
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, 270 nits								ThinkEngine	Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures												
Storage	M.2 Solid State Drive (SSD), PCIe 2.0 x4 or SATA								vPro (optional)	Intel vPro Technology												
Optical	None								Fingerprint reader	Fingerprint reader on the keyboard bezel, swipe sensor												
Ethernet	Gigabit Ethernet via Ethernet extension cable								Battery type	Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery												
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								Max battery life ¹⁰	<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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WLAN ⁴	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> 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 								AC adapter	45W AC adapter, 65W Slim AC adapter, or 65W AC adapter												
WWAN (optional)	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> 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 								RapidCharge	<table border="1"> <thead> <tr> <th>AC adapter</th> <th>45W</th> <th>65W Slim</th> <th>65W</th> </tr> </thead> <tbody> <tr> <td>Charge to 80%</td> <td>1.1hr</td> <td>55min</td> <td>55min</td> </tr> <tr> <td>Charge to 100%</td> <td>2.5hr</td> <td>2.3hr</td> <td>2.3hr</td> </tr> </tbody> </table>	AC adapter	45W	65W Slim	65W	Charge to 80%	1.1hr	55min	55min	Charge to 100%	2.5hr	2.3hr	2.3hr
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SIM card (opt)	AT&T® or Verizon® LTE (4G), contract required with service provider								Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64 <ul style="list-style-type: none"> Lenovo Solution Center Lenovo SHAREit Lenovo Vantage 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) 												
Dimensions ³	WQHD (WxDxH): 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm FHD (WxDxH): 13.03" x 8.93" x 0.71"; 331.0mm x 226.8mm x 18.16mm WQHD Touch (WxDxH): 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm								Limited warranty ¹²	<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 service²⁴ 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery) 												
Weight ²	<table border="1"> <thead> <tr> <th>Models</th> <th>FHD</th> <th>WQHD</th> <th>WQHD Touch</th> </tr> </thead> <tbody> <tr> <td>Weight</td> <td>2.996 lb / 1.359 kg</td> <td>2.877 lb / 1.305 kg</td> <td>3.175 lb / 1.44 kg</td> </tr> </tbody> </table>								Models	FHD	WQHD	WQHD Touch	Weight	2.996 lb / 1.359 kg	2.877 lb / 1.305 kg	3.175 lb / 1.44 kg	Mil-Spec test	MIL-STD-810G military certification				
Models	FHD	WQHD	WQHD Touch																			
Weight	2.996 lb / 1.359 kg	2.877 lb / 1.305 kg	3.175 lb / 1.44 kg																			
Case material	Display cover: Carbon-Fiber Reinforced Plastic + Glass-Fiber Reinforced Plastic; Bottom: Magnesium/Aluminum								Environment	EPPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant												