

ThinkPad X1 Carbon (3rd Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	5th Generation Intel® Core™ i5 / i7 Processor								Media reader Ports	None Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector <i>Optional:</i> Mini DisplayPort to VGA Monitor Cable															
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Monitor cable																
	i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB	DDR3L-1600	Intel HD Graphics 5500	Camera	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															
	i5-5300U			2.3 GHz	2.9 GHz	3MB			Audio support																
	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								Keyboard UltraNav™	6-row, LED backlit, spill-resistant, multimedia Fn keys TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch															
Chipset	Intel SoC (System on Chip) platform								Security	Power-on password, hard disk password, supervisor password, security keyhole, reset switch															
Memory	4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets								Security chip 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> 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								vPro (<i>optional</i>)	Intel vPro Technology															
Multi-touch (<i>opt</i>)	Capacitive-type multi-touch, supports 10-finger gesture, 270 nits								Fingerprint reader	Fingerprint reader on the keyboard bezel, swipe sensor															
Storage	M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxG SSD PCIe or xxxG SSD)								Battery type	Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery															
Optical	None								Max battery life ¹⁰	<table><tr><th>Models</th><th>FHD</th><th>WQHD</th><th>WQHD Touch</th></tr><tr><td>Battery life</td><td>10.9 hr</td><td>9.9 hr</td><td>9.9 hr</td></tr></table>				Models	FHD	WQHD	WQHD Touch	Battery life	10.9 hr	9.9 hr	9.9 hr				
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Battery life	10.9 hr	9.9 hr	9.9 hr																						
Ethernet	Gigabit Ethernet via Ethernet extension cable								AC adapter	45W AC adapter, 65W Slim AC adapter, or 65W AC adapter															
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								RapidCharge	<table><tr><th>AC adapter</th><th>45W</th><th>65W Slim</th><th>65W</th></tr><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></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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WLAN ⁴	<i>One of the following, configurable by model:</i> 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								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 REACHit - Lenovo Companion - Microsoft Office preloaded; purchase a product key to activate - Norton Internet Security (30 days of virus definitions, Win8 w/o i5/i7 model) <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 10 Pro 64 - Lenovo Solution Center - Lenovo SHAREit - Lenovo REACHit - Lenovo Companion - Microsoft Office preloaded; purchase a product key to activate - Norton Internet Security (30 days of virus definitions, Win8 w/o i5/i7 model) - McAfee® LiveSafe™ (30-day trial, Win8 i5/i7 and Win10 model)															
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								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 service²⁴ 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)															
SIM card (<i>opt</i>)	AT&T® or Verizon® LTE (4G), contract required with service provider								Mil-Spec test	MIL-STD-810G military certification															
Dimensions ³	<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								Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant															
Weight ²	<table><tr><th>Models</th><th>FHD</th><th>WQHD</th><th>WQHD Touch</th></tr><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></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									
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Weight	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																								

Model	20BS00AE++
Product	X1 Carbon (3rd Gen)
Region	WE
Machine Type	20BS
TopSeller	TopSeller
Processor	i7-5500U (2C, 2.4 / 3.0GHz, 4MB, 1600MHz)
vPro	No
Graphics	Intel HD Graphics 5500
Memory (soldered)	8GBx1
Display	14" WQHD (2560x1440) IPS
Multi-touch	10-point multi-touch
Storage	256GB SSD Opal2
Optical	None
WLAN &Bluetooth	Intel 7265 ac + BT4.0
WWAN	Sierra EM7345
SIM Card	None
Monitor Cable	None
Camera	720p
Backlit Keyboard	Backlit Keyboard
Fingerprint Reader	Fingerprint Reader
Battery Cells	8-cell (50Wh)
Power Adapter (watt)	65W
Preload	Windows 10 Pro 64
Base Warranty	3-year onsite
Global	No
Ann Date (mm/yy)	07/15





