

ThinkPad X1 Carbon (4th Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i5 / i7 Processor							Media reader	MicroSD card reader, supports UHS-II microSD card															
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Ports	Three USB 3.0 (one Always On), MiniDP, HDMI, Lenovo OneLink+ connector														
	i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	LPDDR3-1866	Intel HD graphics 520	WiGig dock (opt)	WiGig dock, mutually exclusive with WWAN														
	i5-6300U			2.4 GHz	3.0 GHz	3MB			Adapter (optional)	HDMI-VGA: Lenovo HDMI to VGA Monitor Cable														
	i7-6500U			2.5 GHz	3.1 GHz	4MB			mDP-VGA: Lenovo Mini DisplayPort to VGA Monitor Cable															
	i7-6600U			2.6 GHz	3.4 GHz	4MB			RJ45: ThinkPad OneLink+ to RJ45 adapter VGA/RJ45: ThinkPad OneLink+ to VGA/RJ45 adapter															
Graphics	Intel HD Graphics 520 in processor, external digital monitor support via Mini DisplayPort or HDMI™; supports three independent displays; Max resolution: 3840x2160 (Mini DisplayPort)@60Hz; 4096x2304 (HDMI)@24Hz							Camera	HD720p resolution, low light sensitive, fixed focus															
Chipset	Intel SoC (System on Chip) platform							Audio support	HD Audio, Conexant® CX11852 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack															
Memory	4GB, 8GB, or 16GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets							Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight															
Display	Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle							UltraNav™	TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch															
Multi-touch	None							Security	Power-on password, hard disk password, supervisor password, security keyhole, reset switch															
Hinge	Normal hinge, 180 degree							Security chip	Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset															
Storage	Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)							ThinkEngine	Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures															
Optical	None							vPro (optional)	Intel vPro Technology															
Ethernet	Gigabit Ethernet via optional Ethernet (RJ-45) adapter (by native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro))							Fingerprint reader	Touch style fingerprint reader on the palm rest															
WLAN ⁴	One of the following, configurable by model (WiGig is mutually exclusive with WWAN): • 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card • WiGig™+11ac+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 card							Battery	Integrated Lithium Polymer 4-cell (52Wh) RapidCharge battery															
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter							Max battery life ¹⁰	MobileMark® 2014: 11 hr															
WWAN (optional)	One of the following, configurable by model (mutually exclusive with WiGig): • Wireless WAN upgradable • Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card • Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)							AC adapter	45W AC adapter, 65W Slim AC adapter, or 65W AC adapter															
SIM card (opt)	Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM 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>Not support</td> <td>1.0 hr</td> <td>1.0 hr</td> </tr> <tr> <td>Charge to 100%</td> <td>Not support</td> <td>2.5 hr</td> <td>2.5 hr</td> </tr> </tbody> </table>				AC adapter	45W	65W Slim	65W	Charge to 80%	Not support	1.0 hr	1.0 hr	Charge to 100%	Not support	2.5 hr	2.5 hr
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Dimensions ³	WxDxH: 13.11" x 9.02" x 0.59-0.65"; 333.0mm x 229.0mm x 14.95-16.45mm							Preload	Windows 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64															
Weight ²	from 2.579 lb / 1.17 kg								<ul style="list-style-type: none"> • Lenovo Solution Center • Lenovo Companion • Lenovo Setting • Microsoft Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial) 															
Case material	Display cover: Carbon-Fiber Reinforced Plastic; Bottom: Super magnesium								<ul style="list-style-type: none"> • Lenovo Solution Center • Rescue and Recovery™ • ThinkVantage System Update • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial) 															
								Limited warranty ¹²	One 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 ²⁴ • 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)															
								Mil-Spec test	MIL-STD-810G military certification															
								Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant															