ThinkPad X1 Carbon (5th Gen) Platform Specifications

Processor	6th Generation I	ntel® Co	re™ i5 / i7	Processor				Smart card readerNone	
	Processor # of Number Cores i5-6200U	# of Threads	Base Frequency 2.3 GHz	Frequency	Cache 3MB	Memory Types	Processor Graphics	Media reader Ports	MicroSD card reader, supports UHS-II microSD card Two USB 3.1 Gen 1 / USB 3.0 (one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3 / DisplayPort 1.2a / Power Delivery 2.0,
	i5-6300U i7-6500U i7-6600U	4	2.4 GHz 2.5 GHz 2.6 GHz	3.0 GHz 3.1 GHz 3.4 GHz	3MB 4MB 4MB	LPDDR3-1866	Intel HD Graphics 520	WiGig dock (opt) Monitor cable (optional)	HDMI 1.4b, Ethernet extension connector ThinkPad WiGig dock HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter
	or 7th Generation Intel Core i5 / i7 Processor							Camera (optional)	<u> </u>
	Processor # of Number Cores i5-7200U i5-7300U		Base Frequency 2.5 GHz 2.6 GHz	riequency	Cache 3MB 3MB		Processor Graphics	Audio support	IR & 720p: IR camera and HD720p camera HD Audio, Conexant® CX11871 codec / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack
	i7-7500U i7-7600U	4	2.7 GHz 2.8 GHz	3.5 GHz 3.9 GHz	4MB 4MB	LPDDR3-1866	620	Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, LED backlight TrackPoint® pointing device and buttonless Glass surface multi-touch touchpad
Graphics	Intel HD Graphics 520 or 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)						4Hz (HDMI)	Security Security chip vPro (optional) Fingerprint reader NFC (optional)	Power-on password, hard disk password, supervisor password, security keyhole Win7 model: discrete TPM 1.2, TCG Certified Win10 model: discrete TPM 2.0, TCG Certified Intel vPro Technology er Touch style match on chip fingerprint reader on the palm rest Near Field Communication
Chipset Memory	inter 500 (System on Chip) platform						enckate	Batterv	Integrated Li-Polymer 3-cell (57Wh) RapidCharge battery
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, 170° viewing angle						nt, IPS, ng angle ight, IPS,	Max battery life AC adapter RapidCharge MobileMark® 2014: 15.5 hr 45W or 65W USB Type-C AC adapter RapidCharge AC adapter ASW USB-C Charge to 80% Not support 1.0 hr	
Multi-touch	None						ng angle		Charge to 100% Not support 2.5 hr
Storage Optical	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) None						SD PCIe NVMe)		Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 • Lenovo Solution Center • Lenovo PowerEngage • ThinkVantage Product Recovery • ThinkVantage System Update • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial)
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro)) via optional ThinkPad Ethernet Extension Cable						Pro))		
WLAN Bluetooth™	One of the following, configurable by model (WiGig can coexist with WWAN): • Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card • Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter						M.2 card M.2 card 02.11ac + BT4.1,		
	* Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS							Limited warranty	One of the following, configurable by model:
WWAN (optional)							i:	 1-year depot repair service 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service 	
CIM pard (ant)							M.2 card	Mil-Spec test	MIL-STD-810G military certification
Dimensions Weight Case color Case material	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card WxDxH: 12.74" x 8.55" x 0.63"; 323.5mm x 217.1mm x 15.95mm from 2.49 lb / 1.13 kg Black or Silver (silver is not available in EMEA) Display cover: CFRP/GFRP hybrid; Bottom: magnesium alloy hybrid						,	Environment	EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant
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