ThinkPad X1 Carbon (7th Gen) Platform Specifications

Processor	8th Generation Intel® Core™ i5 / i7 Processor							Dimensions	WxDxH: 12.74" x 8.55" x 0.59"; 323.5mm x 217.1mm x 14.9mm
	Processor # of # of Number Cores Threads	lumber Cores Threads Frequency Frequency Cache Memory Types Gi				essor ohics	Weight Case color Case material	Starting at 2.4 lb / 1.09 kg Black paint or black weave Display cover: Carbon Fiber;	
	i5-8365U i7-8565U i7-8665U	1.6 GHz 1.8 GHz	4.1 GHz 6 4.6 GHz 8	MB	PDDR3-2133		UHD ics 620	Smart card reade Media reader Ports	Bottom: magnesium alloy erNone None Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3
Graphics	Intel UHD Graphics 620 in processor; supports external digital monitor via HDMI or USB Type-C / Thunderbolt; supports three independent displays; Max resolution: 4096x2304@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)						MI)	- Monitor cable	(with the function of Power Delivery and DisplayPort), HDMI 1.4b, Ethernet extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, side docking connector, security keyhole * Depending on many factors, actual data transfer speed may be lower than theoretical speed Optional: Lenovo HDMI to VGA Monitor Adapter Optional: ThinkPad Ethernet Extension Adapter Gen 2
Chipset Memory	Intel SoC (System on Chip) platform 8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets							Bundled Accy	
Display	Size Resolution Type Surface Brightness Aspect Contrast Color Viewing					Color		- Camera (<i>optional</i>	mera (optional)One of the following, configurable by model: • HD720p camera with ThinkShutter camera privacy, fixed focus
	14.0" FHD (1920x1080) Multi-touch	IPS Anti-glare	300 nits	Ratio 16:9	700:1	Gamut 72%	Angle 170°	Audio support	 IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus HD Audio, Realtek® ALC3286 codec / Dolby® Atmos™ speaker system, 2W x 2, 0.8 x 2 /
	LOW FOWEI	IPS Anti-glare	400 nits	16:9	800:1	72%	170°	Keyboard	4 array far-field microphones, headphone / microphone combo jack 6-row, spill-resistant, multimedia Fn keys, LED backlight
	FHD (1920x1080) 14.0" ThinkPad Privacy	IPS Anti-glare	400 nits	16:9	1000:1	72%	170°	UltraNav™ Securitv	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
	Guard 14.0" WQHD (2560x1440)	IPS Anti-glare	300 nits	16:9	700:1	72%	170°	Security chip	Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified
	UHD (3840x2160) 14.0" Dolby Vision™ HDR400	IPS Glossy	500 nits	16:9	1400:1	90%	170°	vPro (optional) Fingerprint reade NFC (optional)	Intel vPro Technology or Touch style match on chip fingerprint reader on the palm rest Near Field Communication
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture (FHD only), anti-reflection (AR), anti-smudge coating							Battery	Integrated Li-ion 51Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter
	One of the following, configurable by model: • M.2 2280 SSD / SATA 6.0Gb/s • M.2 2280 SSD / PCIe NVMe 3.0 x 4 • Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4 • Intel Optane SSD, M.2 2280, PCIe NVMe 3.0 x2 Intel Optane Memory H10 None							Max battery life AC adapter	MobileMark® 2014: 18.3 hr * Battery life varies significantly with settings, usage, & other factors 45W or 65W USB Type-C AC adapter
								Preload	Windows® 10 Home 64 or Windows 10 Pro 64
								Limited warranty	One of the following, configurable by model: 1-year depot repair service 3-year/1-yr battery depot repair service
Optical								Mil-Spec test	MIL-STD-810G military testing
Ethernet	Native Intel Ethernet Connection I219-V (<i>Non-vPro</i>) or I219-LM (<i>vPro</i>) via bundled or optional ThinkPad Ethernet Extension Adapter Gen 2							Environment	EPEAT™ Bronze; ENERGY STAR® 7.1; RoHS-compliant
WLAN Bluetooth™	Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0 Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								
WWAN (optional) SIM card (opt)	I) One of the following, configurable by model: Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card Integrated Mobile Broadband 4G LTE-A, Fibocom L860-GL, MIMO 2x2, M.2 card * For non-WWAN model, it means the model is NOT WWAN upgradable Nano-SIM card slot, optional Verizon LTE (US) SIM card								
Note: The specifications above may not be available in all regions. Lenovo									