

ThinkPad X1 Carbon (6th Gen) 20KH002GUS

Region US	Keyboard Backlit
Machine Type 20KH	Fingerprint Reader Fingerprint Reader
TopSeller TopSeller	NFC None
Processor Core i7-8650U (4C, 1.9 / 4.2GHz, 8MB)	TPM dTPM 2.0
vPro vPro	Battery 57Wh
Graphics Integrated Intel UHD Graphics 620	Power Adapter 65W USB-C
Memory 16GB Soldered	Operating System Windows 10 Pro 64
Display 14" WQHD (2560x1440) IPS Anti-glare	Warranty 3-year, Depot
Multi-touch None	End of Support Feb 6, 2023
Storage 512GB SSD M.2 PCIe NVMe Opal2	Ann Date (mm/yy) 02/18
Optical None	
WLAN + Bluetooth Intel 8265 ac, 2x2 + BT4.1	
WWAN None	
SIM Card None	
Monitor Cable None	
Adapter None	
Color Silver	
Camera IR & 720p	

Note:

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "***" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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ThinkPad X1 Carbon (6th Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	7th Generation Intel® Core™ i5 Processor								Dimensions	WxDxH: 12.74" x 8.55" x 0.63"; 323.5mm x 217.1mm x 15.95mm	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	Starting at 2.49 lb / 1.13 kg	
	i5-7300U	2	4	2.6 GHz	3.5 GHz	3MB	LPDDR3-1866	Intel HD Graphics 620	Case color	Black or Silver (silver case is NOT available in EMEA)	
									Case material	Display cover: CFRP/GFRP hybrid; Bottom: magnesium alloy / PPS hybrid	
	or 8th Generation Intel Core i5 / i7 Processor								Smart card reader	None	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader	MicroSD card reader, supports UHS-II	
	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	LPDDR3-2133	Intel UHD Graphics 620	Ports	Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3, HDMI 1.4b, Ethernet extension connector, nano-SIM card slot (WWAN models), headphone / microphone combo jack, microSD card reader, side docking connector, security keyhole	
	i5-8350U			1.7 GHz	3.6 GHz	6MB			Optional: Lenovo HDMI to VGA Monitor Adapter		
	i7-8550U			1.8 GHz	4.0 GHz	8MB					
	i7-8650U			1.9 GHz	4.2 GHz	8MB					
Graphics	Intel HD Graphics 620 or Intel UHD Graphics 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 5120x2880@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)								Monitor cable		
Chipset	Intel SoC (System on Chip) platform								Camera (optional)	One of the following, configurable by model:	
Memory	8GB or 16GB / 2133MHz LPDDR3 / soldered to systemboard, no sockets * System clocks down for processors with lower memory controller								Audio support	• HD720p camera with ThinkShutter camera privacy, fixed focus • IR camera and HD720p camera, fixed focus HD Audio, Realtek® ALC3286 codec, Dolby® Audio™ Premium / stereo speakers, 1W x 2 / dual array microphone, headphone / microphone combo jack	
Display	One of the following, configurable by model: • 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 72% gamut, 170° viewing angle • 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 • 14.0" (355mm) HDR WQHD (2560x1440) with Dolby Vision™, glossy, LED backlight, IPS, 500 nits, 16:9 aspect ratio, 1500:1 contrast ratio, 100% gamut, 170° viewing angle								Keyboard	6-row, spill-resistant, multimedia Fn keys, LED backlight	
Multi-touch (opt)	On-cell touch, supports 10-finger gesture (FHD only)								UltraNav™	TrackPoint® pointing device and buttonless Glass surface multi-touch touchpad	
Storage	One of the following, configurable by model: • M.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2) • M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxGB SSD M.2 PCIe NVMe)								Security	Power-on password, hard disk password, supervisor password, security keyhole	
Optical	None								Security chip	Discrete TPM 2.0, TCG Certified	
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro)) via optional ThinkPad Ethernet Extension Cable Gen 2								Intel vPro (optional)	Intel vPro Technology	
WLAN + Bluetooth™	Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS								Fingerprint reader	Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology	
WWAN (optional)	Integrated Mobile Broadband 4G LTE-A, Intel XMM™ 7360 (Fibocom L850-GL), M.2 card								NFC (optional)	Near Field Communication	
SIM card (opt)	Nano-SIM card slot, optional Verizon LTE (US) SIM card								Battery	Integrated Li-Ion 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter	
									Max battery life	MobileMark® 2014: 19.3 hr * Battery life varies significantly with settings, usage, & other factors	
									AC adapter	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 • 3-year/1-yr battery limited onsite service	
									Mil-Spec test	MIL-STD-810G military certification	
									Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant	

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