ThinkPad X1 Carbon (2 nd Gen) Platform Specifications							
Processor	4th Generation Intel [®] Core™ i5 / i7 Processor						
	Processor # of Number Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Speed	Processor Graphics
	i5-4200U i5-4210U i5-4300U i7-4600U	4	1.6 GHz 1.7 GHz 1.9 GHz 2.1 GHz	2.6 GHz 2.7 GHz 2.9 GHz 3.3 GHz	3MB 3MB 3MB 4MB	DDR3L-1600	Intel HD Graphics 4400
Memory	4GB or 8GB / DDR3L-1600MHz / soldered to systemboard, no sockets						
Optical Storage	None M.2 Solid State Drive (SSD)						
Widescreen display Multi-touch Camera Light sensor	 Some: 14.0" (355mm) HD+ (1600x900), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS, 170° viewing angle Some: Capacitive-type multi-touch, supports 10-finger gesture, 270 nits HD720p resolution, low light sensitive, face tracking, fixed focus, gesture input Ambient Light Sensor (Windows 8.1 64-bit only) 						
Graphics	Intel HD Graphics 4400 or 5000 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)@30Hz; 2880x1620 (HDMI)@60Hz						
Keyboard UltraNav™	Adaptive Keyboard with a dynamically changing row providing additional functionality based on the type of the application active / 5-row, spill-resistant (except Adaptive Keys), LED backlit TrackPoint [®] pointing device and glass surface touchpad, integrated five buttons, multi-touch						
ThinkLight™	None						
Dimensions ³	WQHD (WxDxH): 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm HD+ (WxDxH): 13.03" x 8.93" x 0.71"; 331.0mm x 226.8mm x 18.16mm WQHD Touch (WxDxH): 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm						
Weight ²	Models		VQHD		HD+		NQHD Touch
	Weight	2.82	lb / 1.28kg	2.96	lb / 1.34	kg 3.	.15 lb / 1.43kg
Case material Battery type Max battery life ¹⁰ AC Adapter	type Integrated Lithium Polymer 8-cell (45Wh) RapidCharge battery tery life ¹⁰ Integrated battery: up to 9 hr						
RapidCharge	AC Adapter		45W	6	5W Slim		65W
	Charge to 80%		1.0hr		50min		50min
	Charge to 100%		2.3hr		2.1hr		2.1hr
Chipset Smart card reade Media reader Ports Monitor Cable	None Two USB 3.0 (o	ne Alway	rs On), Mini tor, Micro-S	DP, HDMI, IM card tra	ay (WW		connector, VAN model only)

Audio support	HD Audio, Realtek [®] ALC3232 codec, Dolby [®] Home Theater [®] v4 / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack				
WLAN ^₄	One of the following, configurable by model: • Intel Wireless-N 7260, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card • Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card • Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card				
WWAN (optional)	One of the following, configurable by model: • Wireless WAN upgradable • Wireless WAN, Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/ HSPA+/EVDO/GSM/GPRS/EDGE, GPS, M.2 card (US models) • Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card (WE models) • Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card (WE models)				
SIM card (optional)	 One of the following, configurable by model: AT&T[®] or Verizon[®] LTE (4G), contract required with service provider (US models) Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required (WE models) User selectable, contract required with service provider 				
Bluetooth™ Ethernet NFC	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Ethernet Extension cable <i>Optional:</i> Near Field Communication				
Security	Power-on password, hard disk password, supervisor password, security keyhole, reset switch				
Security chip vPro <i>(optional)</i> Fingerprint reade	Trusted Platform Module, TCG 1.2-compliant Intel vPro Technology r Fingerprint reader on the keyboard bezel, swipe sensor				
Limited warranty ¹²	 ² 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 service²⁴ 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery) 				
Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bitSome: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bitLenovo Solution Center ThinkVantage Product Recovery • ThinkVantage System Update • PC Device Stage • Adobe® Reader® • Nitro Pro • Evernote® • Microsoft® Office preloaded; purchase a product key to activate • Norton™ Internet Security (30 days of virus definitions)Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit • Lenovo Solution Center • Lenovo Solution Center • Lenovo Solution Center • Lenovo Companion • ThinkVantage System Update • Hightail - Metro • PC Device Stage • AccuWeather • Nitro Pro • Rara Streaming • Norton Studio • Microsoft Office preloaded; purchase a product key to activate • Norton Internet Security (30 days of virus definitions)				
Mil-Spec test	MIL-STD-810G military certification				
Environment	EPEAT™ Gold; ENERGY STAR [®] 6.0; RoHS-compliant				