

New ThinkPad X1 Carbon 20A8 (Windows 8) - Onsite

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen Multi-touch display	Graphics	Camera	Storage	M.2 Card WLAN	M.2 Card WWAN	SIM card	Finger print reader	NFC	mDP-VGA Cable	Power Adapter	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20A8001DUS	i5-4300U	4GBx1	14" WQHD	Intel HD 4400	720p	128G SSD	7260 ac	upg	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A8001EUS	i5-4300U	4GBx1	14" HD+	Intel HD 4400	720p	180G SSD OPAL	7260 ac	upg	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A8001JUS	i7-4600U	8GBx1	14" HD+	Intel HD 4400	720p	180G SSD OPAL	7260 ac	upg	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A8001KUS	i5-4300U	4GBx1	14" WQHD	Intel HD 4400	720p	180G SSD OPAL	7260 ac	upg	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A8001MUS	i7-4600U	8GBx1	14" WQHD MT	Intel HD 4400	720p	180G SSD OPAL	7260 ac	upg	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A8001VUS	i5-4300U	4GBx1	14" WQHD MT	Intel HD 4400	720p	128G SSD	7260 ac	upg	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A8001WUS	i5-4300U	4GBx1	14" HD+	Intel HD 4400	720p	128G SSD	7260 ac	upg	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A8001XUS	i5-4300U	4GBx1	14" WQHD MT	Intel HD 4400	720p	180G SSD OPAL	7260 ac	upg	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A8001YUS	i7-4600U	8GBx1	14" WQHD	Intel HD 4400	720p	180G SSD OPAL	7260 ac	upg	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A8001HUS	i5-4300U	4GBx1	14" WQHD	Intel HD 4400	720p	128G SSD	7260 ac	EM7355	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A8001LUS	i7-4600U	8GBx1	14" WQHD MT	Intel HD 4400	720p	180G SSD OPAL	7260 ac	EM7355	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A8001UUS	i7-4600U	8GBx1	14" WQHD	Intel HD 4400	720p	180G SSD OPAL	7260 ac	EM7355	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A80020US	i5-4300U	4GBx1	14" WQHD	Intel HD 4400	720p	180G SSD OPAL	7260 ac	EM7355	None	Finger	None	None	65W	Win8.1 64	3-Onsite	No	01/14
20A8002DUS	i5-4300U	4GBx1	14" HD+	Intel HD 4400	720p	256G SSD eDrive	7260 ac	EM7355	None	Finger	None	None	65W	Win8.1 P64	3-Onsite	No	01/14
20A8002EUS	i5-4300U	4GBx1	14" WQHD	Intel HD 4400	720p	256G SSD eDrive	7260 ac	EM7355	None	Finger	None	None	65W	Win8.1 P64	3-Onsite	No	01/14
20A8002YUS	i5-4300U	8GBx1	14" WQHD	Intel HD 4400	720p	256G SSD eDrive	7260 ac	EM7355	None	Finger	None	None	65W	Win8.1 P64	3-Onsite	No	01/14
20A80030US	i5-4300U	8GBx1	14" WQHD MT	Intel HD 4400	720p	256G SSD eDrive	7260 ac	EM7355	None	Finger	None	None	65W	Win8.1 P64	3-Onsite	No	01/14
20A80034US	i7-4600U	8GBx1	14" WQHD MT	Intel HD 4400	720p	256G SSD eDrive	7260 ac	EM7355	None	Finger	None	None	65W	Win8.1 P64	3-Onsite	No	01/14
20A8007YUS	i5-4300U	4GBx1	14" WQHD MT	Intel HD 4400	720p	180G SSD OPAL	7260 a/b/g/n	upg	None	Finger	None	None	65W	Win8.1 P64	3-Onsite	Yes	04/14
20A80082US	i5-4300U	4GBx1	14" WQHD	Intel HD 4400	720p	180G SSD OPAL	7260 a/b/g/n	upg	None	Finger	None	None	65W	Win8.1 P64	3-Onsite	Yes	04/14
20A80084US	i5-4300U	4GBx1	14" HD+	Intel HD 4400	720p	128G SSD	7260 a/b/g/n	upg	None	Finger	None	None	65W	Win8.1 P64	3-Onsite	Yes	04/14
20A80080US	i7-4600U	8GBx1	14" HD+	Intel HD 4400	720p	256G SSD eDrive	7260 a/b/g/n	upg	None	Finger	None	None	65W	Win8.1 P64	3-Onsite	Yes	04/14
20A80081US	i7-4600U	8GBx1	14" WQHD MT	Intel HD 4400	720p	256G SSD eDrive	7260 a/b/g/n	upg	None	Finger	None	None	65W	Win8.1 P64	3-Onsite	Yes	04/14
20A80087US	i7-4600U	8GBx1	14" WQHD	Intel HD 4400	720p	256G SSD eDrive	7260 a/b/g/n	upg	None	Finger	None	None	65W	Win8.1 P64	3-Onsite	Yes	04/14

• For detailed platform specifications, please see [New ThinkPad X1 Carbon Platform Specifications sheet](#)

Processor	4th Generation Intel® Core™ i5 / i7 Processor			Audio support	HD Audio, Realtek® ALC3232 codec, Dolby® Home Theater® v4 / stereo speakers, 1 watt x 2 / dual array microphone, voice input support, combo audio/microphone jack														
Memory	8GB max ⁷ / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets			Chipset	Intel 4th Generation core 1 chip (integrated chipset with processor)														
Optical Storage	None M.2 Solid State Drive (SSD)			Smart Card Read	None														
Widescreen display	Some: 14.0" (355mm) HD+ (1600x900) , 250 nits, 400:1 contrast ratio			Multicard Reader	None														
MultiTouch	Some: 14.0" (355mm) WQHD (2560x1440) , 300 nits, 700:1 contrast ratio, IPS			Ports	Two USB 3.0 (one Always On), Mini DP, HDMI, Ethernet extension connector, Lenovo OneLink connector, Micro-SIM card tray (WWAN upg / WWAN model only)														
Camera	Some: Capacitive-type MultiTouch, supports ten-finger gesture, 270 nits HD720p resolution, low light sensitive, face tracking, fixed focus, gesture input			Monitor Cable	Some: Mini DisplayPort to VGA Monitor Cable														
Light sensor	Ambient Light Sensor (Windows 8.1 64-bit only)			WLAN ⁴	7260 b/g/n: Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 Card 7260 a/b/g/n: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 Card 7260 ac: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 Card														
Graphics	Intel HD Graphics 4400 or 5000			WWAN (optional)	upg: Wireless WAN upgradable EM7355: Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/HSPA+/EVDO/GSM/GPRS/EDGE, GPS														
Keyboard	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			SIM card (optional)	AT&T / Verizon: AT&T® / Verizon® LTE (4G), contract required with service provider select: User selectable, contract required with service provider														
UltraNav™	TrackPoint® pointing device and glass surface touchpad, integrated five buttons, multi-touch			Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter														
ThinkLight™	None			Ethernet	Ethernet Extension cable														
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			NFC	Optional: Near Field Communication														
Weight ²	<table border="1"> <thead> <tr> <th>Models</th> <th>WQHD</th> <th>HD+</th> <th>WQHD Touch</th> </tr> </thead> <tbody> <tr> <td>Weight</td> <td>2.82 lb / 1.28kg</td> <td>2.96 lb / 1.34kg</td> <td>3.15 lb / 1.43kg</td> </tr> </tbody> </table>			Models	WQHD	HD+	WQHD Touch	Weight	2.82 lb / 1.28kg	2.96 lb / 1.34kg	3.15 lb / 1.43kg	Security	Power-on / hard disk / supervisor password, security keyhole, reset switch						
Models	WQHD	HD+	WQHD Touch																
Weight	2.82 lb / 1.28kg	2.96 lb / 1.34kg	3.15 lb / 1.43kg																
Case material	Display cover: Carbon-Fiber Reinforced Plastic + Glass-Fiber Reinforced Plastic; Bottom: Magnesium/Aluminum			Security chip	Trusted Platform Module, TCG 1.2-compliant														
Battery - type	Integrated Lithium Polymer 8-cell (45Wh) RapidCharge battery			vPro & iAMT	vPro and Intel Active Management Technology (iAMT) support on selected models														
Battery - life ¹⁰	Integrated battery: up to 9 hr			Fingerprint reader	Fingerprint reader on the keyboard bezel, swipe sensor														
AC Adapter	45W AC Adapter, 65W Slim AC Adapter, or 65W AC Adapter			Preload	Win7 P64 DG Win8.1: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit														
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>1.0hr</td> <td>50min</td> <td>50min</td> </tr> <tr> <td>Charge to 100%</td> <td>2.3hr</td> <td>2.1hr</td> <td>2.1hr</td> </tr> </tbody> </table>			AC Adapter	45W	65W Slim	65W	Charge to 80%	1.0hr	50min	50min	Charge to 100%	2.3hr	2.1hr	2.1hr	Win8.1 64:	Windows 8 / 8.1 64-bit		
AC Adapter	45W	65W Slim	65W																
Charge to 80%	1.0hr	50min	50min																
Charge to 100%	2.3hr	2.1hr	2.1hr																
				Win8.1 P64:	Windows 8 / 8.1 Pro 64-bit														
				Limited warranty ¹²	1-year - depot / 3-years (1-yr battery) - depot / 3-years (1-year battery) onsite														

See footnotes for more detailed information