



Lenovo® ThinkPad X1 Carbon (3rd Gen)



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Lenovo ThinkPad X1 Carbon (3rd Gen)



Lenovo ThinkPad X1 Carbon (3rd Gen)

ThinkPad X1 Carbon (3rd Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	5th Generation Intel® Core™ i5 / i7 Processor								Media reader Ports	None Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector <i>Optional:</i> Mini DisplayPort to VGA Monitor Cable															
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Monitor cable																
	i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB	DDR3L-1600	Intel HD Graphics 5500	Camera	HD720p resolution, low light sensitive, fixed focus, gesture input															
	i5-5300U			2.3 GHz	2.9 GHz	3MB			Audio support	HD Audio, Realtek® ALC3232 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack															
	i7-5500U			2.4 GHz	3 GHz	4MB																			
	i7-5600U			2.6 GHz	3.2 GHz	4MB																			
Graphics	Intel HD Graphics 5500 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) @60Hz; 4096x2304 (HDMI) @24Hz								Keyboard UltraNav™	6-row, LED backlit, spill-resistant, multimedia Fn keys TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch															
Chipset	Intel SoC (System on Chip) platform								Security	Power-on password, hard disk password, supervisor password, security keyhole, reset switch															
Memory	4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets								Security chip ThinkEngine	Trusted Platform Module, TCG 1.2-compliant Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures															
Display	<i>Some:</i> 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 400:1 contrast ratio <i>Some:</i> 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS, 170° viewing angle								vPro (<i>optional</i>)	Intel vPro Technology															
Multi-touch (<i>opt</i>)	Capacitive-type multi-touch, supports 10-finger gesture, 270 nits								Fingerprint reader	Fingerprint reader on the keyboard bezel, swipe sensor															
Storage	M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxG SSD PCIe or xxxG SSD)								Battery type	Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery															
Optical	None								Max battery life ¹⁰	<table><tr><th>Models</th><th>FHD</th><th>WQHD</th><th>WQHD Touch</th></tr><tr><td>Battery life</td><td>10.9 hr</td><td>9.9 hr</td><td>9.9 hr</td></tr></table>				Models	FHD	WQHD	WQHD Touch	Battery life	10.9 hr	9.9 hr	9.9 hr				
Models	FHD	WQHD	WQHD Touch																						
Battery life	10.9 hr	9.9 hr	9.9 hr																						
Ethernet	Gigabit Ethernet via Ethernet extension cable								AC adapter	45W AC adapter, 65W Slim AC adapter, or 65W AC adapter															
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter								RapidCharge	<table><tr><th>AC adapter</th><th>45W</th><th>65W Slim</th><th>65W</th></tr><tr><td>Charge to 80%</td><td>1.1hr</td><td>55min</td><td>55min</td></tr><tr><td>Charge to 100%</td><td>2.5hr</td><td>2.3hr</td><td>2.3hr</td></tr></table>				AC adapter	45W	65W Slim	65W	Charge to 80%	1.1hr	55min	55min	Charge to 100%	2.5hr	2.3hr	2.3hr
AC adapter	45W	65W Slim	65W																						
Charge to 80%	1.1hr	55min	55min																						
Charge to 100%	2.5hr	2.3hr	2.3hr																						
WLAN ⁴	<i>One of the following, configurable by model:</i> 11b/g/n, Intel Wireless-N 7265, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card 11a/b/g/n, Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT adapter, M.2 card 11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 card								Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64 - Lenovo Solution Center - Lenovo SHAREit - Lenovo REACHit - ThinkVantage Product Recovery - Rescue and Recovery™ - ThinkVantage System Update - PC Device Stage - Adobe® Reader® - Microsoft® Office preloaded; purchase a product key to activate - Norton™ Internet Security (30 days of virus definitions) <i>Some:</i> Windows 8.1 64-bit <i>Some:</i> Windows 8.1 Pro 64-bit <i>Some:</i> Windows 10 Pro 64 - Lenovo Solution Center - Lenovo SHAREit - Lenovo REACHit - Lenovo Companion - Microsoft Office preloaded; purchase a product key to activate - Norton Internet Security (30 days of virus definitions, Win8 w/o i5/i7 model) - McAfee® LiveSafe™ (30-day trial, Win8 i5/i7 and Win10 model)															
WWAN (<i>optional</i>)	<i>One of the following, configurable by model:</i> - Wireless WAN upgradable - Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card - Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card								Limited warranty ¹²	<i>One of the following, configurable by model:</i> 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)															
SIM card (<i>opt</i>)	AT&T® or Verizon® LTE (4G), contract required with service provider								Mil-Spec test	MIL-STD-810G military certification															
Dimensions ³	<i>WQHD (WxDxH):</i> 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm <i>FHD (WxDxH):</i> 13.03" x 8.93" x 0.71"; 331.0mm x 226.8mm x 18.16mm <i>WQHD Touch (WxDxH):</i> 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm								Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant															
Weight ²	<table><tr><th>Models</th><th>FHD</th><th>WQHD</th><th>WQHD Touch</th></tr><tr><td>Weight</td><td>2.996 lb / 1.359 kg</td><td>2.877 lb / 1.305 kg</td><td>3.175 lb / 1.44 kg</td></tr></table>								Models	FHD	WQHD	WQHD Touch	Weight	2.996 lb / 1.359 kg	2.877 lb / 1.305 kg	3.175 lb / 1.44 kg									
Models	FHD	WQHD	WQHD Touch																						
Weight	2.996 lb / 1.359 kg	2.877 lb / 1.305 kg	3.175 lb / 1.44 kg																						
Case material	<i>Display cover:</i> Carbon-Fiber Reinforced Plastic + Glass-Fiber Reinforced Plastic; <i>Bottom:</i> Magnesium/Aluminum																								

ThinkPad X1 Carbon (3rd Gen) 20BS (TS)

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory (soldered)	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN	SIM card	Monitor cable	Camera	Backlit key-board	Fingerprint reader	Battery cells	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann date (m/y)
20BS002WUS	i5-5200U	No	HD 5500	4GBx1	14" FHD	No	128G SSD	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	1-depot	No	01/15
20BS0034US	i5-5300U	vPro	HD 5500	4GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	1-depot	No	01/15
20BS002VUS	i5-5200U	No	HD 5500	4GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS0037US	i5-5200U	No	HD 5500	4GBx1	14" FHD	No	180G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS003AUS	i5-5200U	No	HD 5500	4GBx1	14" FHD	No	128G SSD	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS0033US	i5-5300U	vPro	HD 5500	4GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS003CUS	i5-5300U	vPro	HD 5500	4GBx1	14" FHD	No	180G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS002YUS	i5-5300U	vPro	HD 5500	8GBx1	14" FHD	No	240G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS0032US	i5-5300U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS0039US	i5-5300U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	EM7345	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS003TUS	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	360G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS002UUS	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	EM7345	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS0031US	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS003BUS	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	512G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS003DUS	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	240G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	01/15
20BS006SUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	128G SSD	7265 ac+BT	Upg	None	mDP-VGA	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	05/15
20BS006TUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	256G SSD PCIe	7265 ac+BT	Upg	None	mDP-VGA	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	05/15
20BS006UUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	256G SSD Opal2	7265 ac+BT	Upg	None	mDP-VGA	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	05/15

• For detailed platform specifications, please see [ThinkPad X1 Carbon \(3rd Gen\) Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i5 / i7 Processor						Dimensions ³	WQHD (WxDxH): 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm				
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types		FHD (WxDxH): 13.03" x 8.93" x 0.71"; 331.0mm x 226.8mm x 18.16mm				
	i5-5200U	2	2.2 GHz	2.7 GHz	3MB	DDR3L-1600		WQHD Touch (WxDxH): 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm				
	i5-5300U		2.3 GHz	2.9 GHz	3MB			Weight ²	Models	FHD	WQHD	WQHD Touch
	i7-5500U		2.4 GHz	3 GHz	4MB				Weight	2.996 lb / 1.359 kg	2.877 lb / 1.305 kg	3.175 lb / 1.44 kg
	i7-5600U		2.6 GHz	3.2 GHz	4MB			Case material	Display cover: Carbon-Fiber Reinforced Plastic + Glass-Fiber Reinforced Plastic; Bottom: Magnesium/Aluminum			
Graphics	Intel HD Graphics 5500						Camera	HD720p resolution, low light sensitive, fixed focus, gesture input				
Chipset	Intel SoC (System on Chip) platform						Audio support	HD Audio, Realtek® ALC3232 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack				
Memory	4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets						Keyboard	6-row, LED backlit, spill-resistant, multimedia Fn keys				
Display	Some: 14.0" (355mm) FHD (1920x1080), 300 nits, 400:1 contrast ratio Some: 14.0" (355mm) WQHD (2560x1440), 300 nits, 700:1 contrast ratio, IPS						UltraNav™	TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch				
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, 270 nits						Security	Power-on / hard disk / supervisor password, security keyhole, reset switch				
Storage	M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxG SSD PCIe or xxxG SSD)						Security chip	Trusted Platform Module, TCG 1.2-compliant				
Optical	None						vPro (optional)	Intel vPro Technology				
Ethernet	Gigabit Ethernet via Ethernet extension cable						Fingerprint reader	Fingerprint reader on the keyboard bezel, swipe sensor				
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter						Battery type	Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery				
WLAN ⁴	7265 b/g/n+BT: Intel Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card						Max battery life ¹⁰	Models	FHD	WQHD	WQHD Touch	
	7265 a/b/g/n+BT: Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card							Battery life	10.9 hr	9.9 hr	9.9 hr	
	7265 ac+BT: Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT, M.2 card							AC adapter	45W AC adapter, 65W Slim AC adapter, or 65W AC adapter			
WWAN (optional)	Upg: Wireless WAN upgradable						RapidCharge	AC adapter	45W	65W Slim	65W	
	N5321: Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card							Charge to 80%	1.1hr	55min	55min	
	EM7345: Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card							Charge to 100%	2.5hr	2.3hr	2.3hr	
								Preload	Win8.1 / 10 DG Win7: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64			
SIM card (opt)	AT&T® or Verizon® LTE (4G), contract required with service provider							Win8.1 64: Windows 8.1 64-bit				
Media reader	None							Win8.1 P64: Windows 8.1 Pro 64-bit				
Ports	Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector							Win10 P64: Windows 10 Pro 64				
Monitor cable	Optional: Mini DisplayPort to VGA Monitor Cable						Limited warranty ¹²	1-year depot / 3-year (1-yr battery) depot / 3-year (1-year battery) onsite / 3-year (1-year battery) onsite, OID				

See footnotes for more detailed information
US model(s) withdrawn effective April 2015

(MQ2-1) © Lenovo

ThinkPad X1 Carbon (3rd Gen) 20BS (TS) - II

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory (soldered)	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN	SIM card	Monitor cable	Camera	Backlit key-board	Fingerprint reader	Battery cells	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann date (m/y)
20BS009TUS	i5-5300U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	mDP-VGA	720p	Backlit	Finger	8(50wh)	65W	Win10 DG Win7	3-depot	No	07/15
20BS009VUS	i5-5200U	No	HD 5500	8GBx1	14" FHD	No	128G SSD	7265 ac+BT	Upg	None	mDP-VGA	720p	Backlit	Finger	8(50wh)	65W	Win10 DG Win7	3-depot	No	07/15
20BS009WUS	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	mDP-VGA	720p	Backlit	Finger	8(50wh)	65W	Win10 DG Win7	3-depot	No	07/15
20BS009UUS	i5-5200U	No	HD 5500	8GBx1	14" WQHD IPS	No	256G SSD Opal2	7265 ac+BT	Upg	None	mDP-VGA	720p	Backlit	Finger	8(50wh)	65W	Win10 DG Win7	3-depot	No	07/15
20BS00BGUS	i5-5300U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 DG Win7	3-depot	No	08/15
20BS00BHUS	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 DG Win7	3-depot	No	08/15
20BS00BKUS	i5-5200U	No	HD 5500	4GBx1	14" FHD	No	180G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 DG Win7	3-depot	No	08/15
20BS00B9US	i7-5600U	vPro	HD 5500	16GBx1	14" WQHD IPS	MT	256G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 DG Win7	3-depot	No	09/15
20BS00B7US	i7-5600U	vPro	HD 5500	16GBx1	14" WQHD IPS	No	512G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 DG Win7	3-depot	No	09/15
20BS00B8US	i7-5600U	vPro	HD 5500	16GBx1	14" WQHD IPS	No	256G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 DG Win7	3-depot	No	09/15

• For detailed platform specifications, please see [ThinkPad X1 Carbon \(3rd Gen\) Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i5 / i7 Processor						Dimensions ³	WQHD (WxDxH): 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm			
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types		FHD (WxDxH): 13.03" x 8.93" x 0.71"; 331.0mm x 226.8mm x 18.16mm			
	i5-5200U	2	2.2 GHz	2.7 GHz	3MB	DDR3L-1600	WQHD Touch (WxDxH): 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm				
	i5-5300U		2.3 GHz	2.9 GHz	3MB		Models				
	i7-5500U		2.4 GHz	3 GHz	4MB		FHD				
	i7-5600U		2.6 GHz	3.2 GHz	4MB		WQHD				
							Weight ²				
							Weight				
							2.996 lb / 1.359 kg				
							2.877 lb / 1.305 kg				
							3.175 lb / 1.44 kg				
							Case material				
							Display cover: Carbon-Fiber Reinforced Plastic + Glass-Fiber Reinforced Plastic;				
							Bottom: Magnesium/Aluminum				
Graphics	Intel HD Graphics 5500						Camera				
Chipset	Intel SoC (System on Chip) platform						HD720p resolution, low light sensitive, fixed focus, gesture input				
Memory	4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets						HD Audio, Realtek® ALC3232 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack				
Display	Some: 14.0" (355mm) FHD (1920x1080), 300 nits, 400:1 contrast ratio						Keyboard				
	Some: 14.0" (355mm) WQHD (2560x1440), 300 nits, 700:1 contrast ratio, IPS						UltraNav™				
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, 270 nits						TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch				
Storage	M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxG SSD PCIe or xxxG SSD)						Security				
Optical	None						Security chip				
Ethernet	Gigabit Ethernet via Ethernet extension cable						Power-on / hard disk / supervisor password, security keyhole, reset switch				
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter						Trusted Platform Module, TCG 1.2-compliant				
WLAN ⁴	7265 b/g/n+BT: Intel Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card						vPro (optional)				
	7265 a/b/g/n+BT: Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card						Intel vPro Technology				
	7265 ac+BT: Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT, M.2 card						Fingerprint reader				
WWAN (optional)	Upg: Wireless WAN upgradable						Fingerprint reader on the keyboard bezel, swipe sensor				
	N5321: Wireless WAN, Ericsson® N5321,						Battery type				
	HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card						Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery				
	EM7345: Wireless WAN, Sierra Wireless EM7345,						Models				
	Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card						FHD				
SIM card (opt)	AT&T® or Verizon® LTE (4G), contract required with service provider						WQHD				
Media reader	None						WQHD Touch				
Ports	Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector						Battery life				
Monitor cable	Optional: Mini DisplayPort to VGA Monitor Cable						10.9 hr				
							9.9 hr				
							9.9 hr				
							AC adapter				
							45W AC adapter, 65W Slim AC adapter, or 65W AC adapter				
							AC adapter				
							45W				
							65W Slim				
							65W				
							Charge to 80%				
							1.1hr				
							55min				
							55min				
							Charge to 100%				
							2.5hr				
							2.3hr				
							2.3hr				
							Preload				
							Win8.1 / 10 DG Win7:				
							Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64				
							Win8.1 64:				
							Windows 10 Pro 64				
							Win8.1 P64:				
							Windows 8.1 64-bit				
							Windows 8.1 Pro 64-bit				
							Win10 P64:				
							Windows 10 Pro 64				
							Limited warranty ¹²				
							1-year depot / 3-year (1-yr battery) depot / 3-year (1-year battery) onsite / 3-year (1-year battery) onsite, OID				

See footnotes for more detailed information

(MQ2-6) © Lenovo

ThinkPad X1 Carbon (3rd Gen) 20BS (TS) - Win8

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory (soldered)	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN	SIM card	Monitor cable	Camera	Backlit key-board	Finger-print reader	Battery cells	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann date (m/y)
20BS002XUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	1-depot	No	01/15
20BS0030US	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	EM7345	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BS0036US	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	240G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BS003FUS	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BS0035US	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	512G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BS0038US	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	EM7345	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BS003EUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BS003GUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	240G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15

• For detailed platform specifications, please see [ThinkPad X1 Carbon \(3rd Gen\) Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i5 / i7 Processor						Dimensions ³	WQHD (WxDxH): 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm				
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types		FHD (WxDxH): 13.03" x 8.93" x 0.71"; 331.0mm x 226.8mm x 18.16mm				
	i5-5200U	2	2.2 GHz	2.7 GHz	3MB	DDR3L-1600		WQHD Touch (WxDxH): 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm				
	i5-5300U		2.3 GHz	2.9 GHz	3MB		Weight ²	Models	FHD	WQHD	WQHD Touch	
	i7-5500U		2.4 GHz	3 GHz	4MB			Weight	2.996 lb / 1.359 kg	2.877 lb / 1.305 kg	3.175 lb / 1.44 kg	
	i7-5600U		2.6 GHz	3.2 GHz	4MB							
Graphics	Intel HD Graphics 5500						Case material	Display cover: Carbon-Fiber Reinforced Plastic + Glass-Fiber Reinforced Plastic, Bottom: Magnesium/Aluminum				
Chipset	Intel SoC (System on Chip) platform						Camera	HD720p resolution, low light sensitive, fixed focus, gesture input				
Memory	4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets						Audio support	HD Audio, Realtek® ALC3232 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack				
Display	Some: 14.0" (355mm) FHD (1920x1080), 300 nits, 400:1 contrast ratio Some: 14.0" (355mm) WQHD (2560x1440), 300 nits, 700:1 contrast ratio, IPS						Keyboard	6-row, LED backlit, spill-resistant, multimedia Fn keys				
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, 270 nits						UltraNav™	TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch				
Storage	M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxG SSD PCIe or xxxG SSD)						Security	Power-on / hard disk / supervisor password, security keyhole, reset switch				
Optical	None						Security chip	Trusted Platform Module, TCG 1.2-compliant				
Ethernet	Gigabit Ethernet via Ethernet extension cable						vPro (optional)	Intel vPro Technology				
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter						Fingerprint reader	Fingerprint reader on the keyboard bezel, swipe sensor				
WLAN ⁴	7265 b/g/n+BT: Intel Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card 7265 a/b/g/n+BT: Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card 7265 ac+BT: Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT, M.2 card						Battery type	Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery				
WWAN (optional)	Upg: Wireless WAN upgradable N5321: Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card EM7345: Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card						Max battery life ¹⁰	Models	FHD	WQHD	WQHD Touch	
							Battery life	10.9 hr	9.9 hr	9.9 hr		
							AC adapter	45W AC adapter, 65W Slim AC adapter, or 65W AC adapter				
							RapidCharge	AC adapter	45W	65W Slim	65W	
							Charge to 80%	1.1hr	55min	55min		
SIM card (opt)	AT&T® or Verizon® LTE (4G), contract required with service provider							Charge to 100%	2.5hr	2.3hr	2.3hr	
								Preload	Win8.1 / 10 DG Win7:	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64		
									Win8.1 64:	Windows 10 Pro 64		
Media reader	None							Win8.1 P64:	Windows 8.1 64-bit			
Ports	Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector							Win10 P64:	Windows 8.1 Pro 64-bit			
Monitor cable	Optional: Mini DisplayPort to VGA Monitor Cable						Limited warranty ¹²	1-year depot / 3-year (1-yr battery) depot / 3-year (1-year battery) onsite / 3-year (1-year battery) onsite, OID				

See footnotes for more detailed information

(MQ2-2) © Lenovo

ThinkPad X1 Carbon (3rd Gen) 20BS (TS) - Win10

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory (soldered)	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN	SIM card	Monitor cable	Camera	Backlit key-board	Finger-print reader	Battery cells	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann date (m/y)
20BS009XUS	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	Upg	None	mDP-VGA	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-depot	No	07/15
20BS009YUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	Upg	None	mDP-VGA	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-depot	No	07/15
20BS00A0US	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	256G SSD Opal2	7265 ac+BT	Upg	None	mDP-VGA	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-depot	No	07/15
20BS00BJUS	i5-5200U	No	HD 5500	4GBx1	14" FHD	No	180G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-depot	No	08/15
20BS00BLUS	i5-5300U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-depot	No	08/15
20BS00BMUS	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-depot	No	08/15
20BS00B5US	i7-5600U	vPro	HD 5500	16GBx1	14" WQHD IPS	MT	256G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-depot	No	09/15
20BS00BAUS	i7-5600U	vPro	HD 5500	16GBx1	14" WQHD IPS	MT	512G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-depot	No	09/15
20BS00B4US	i7-5600U	vPro	HD 5500	16GBx1	14" WQHD IPS	No	512G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-depot	No	09/15
20BS00B6US	i7-5600U	vPro	HD 5500	16GBx1	14" WQHD IPS	No	256G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-depot	No	09/15

• For detailed platform specifications, please see [ThinkPad X1 Carbon \(3rd Gen\) Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i5 / i7 Processor						Dimensions ³	WQHD (WxDxH): 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm				
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types		FHD (WxDxH): 13.03" x 8.93" x 0.71"; 331.0mm x 226.8mm x 18.16mm				
	i5-5200U	2	2.2 GHz	2.7 GHz	3MB	DDR3L-1600		WQHD Touch (WxDxH): 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm				
	i5-5300U		2.3 GHz	2.9 GHz	3MB		Weight ²	Models	FHD	WQHD	WQHD Touch	
	i7-5500U		2.4 GHz	3 GHz	4MB			Weight	2.996 lb / 1.359 kg	2.877 lb / 1.305 kg	3.175 lb / 1.44 kg	
	i7-5600U		2.6 GHz	3.2 GHz	4MB			Case material	Display cover: Carbon-Fiber Reinforced Plastic + Glass-Fiber Reinforced Plastic; Bottom: Magnesium/Aluminum			
Graphics	Intel HD Graphics 5500						Camera	HD720p resolution, low light sensitive, fixed focus, gesture input				
Chipset	Intel SoC (System on Chip) platform						Audio support	HD Audio, Realtek® ALC3232 codec / stereo speakers, 1 watt x 2 /				
Memory	4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets							dual array microphone, combo audio/microphone jack				
Display	Some: 14.0" (355mm) FHD (1920x1080), 300 nits, 400:1 contrast ratio Some: 14.0" (355mm) WQHD (2560x1440), 300 nits, 700:1 contrast ratio, IPS						Keyboard	6-row, LED backlit, spill-resistant, multimedia Fn keys				
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, 270 nits						UltraNav™	TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch				
Storage	M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxG SSD PCIe or xxxG SSD)						Security	Power-on / hard disk / supervisor password, security keyhole, reset switch				
Optical	None						Security chip	Trusted Platform Module, TCG 1.2-compliant				
Ethernet	Gigabit Ethernet via Ethernet extension cable						vPro (optional)	Intel vPro Technology				
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter						Fingerprint reader	Fingerprint reader on the keyboard bezel, swipe sensor				
WLAN ⁴	7265 b/g/n+BT: Intel Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card 7265 a/b/g/n+BT: Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card 7265 ac+BT: Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT, M.2 card						Battery type	Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery				
WWAN (optional)	Upg: Wireless WAN upgradable N5321: Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card EM7345: Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card						Max battery life ¹⁰	Models	FHD	WQHD	WQHD Touch	
								Battery life	10.9 hr	9.9 hr	9.9 hr	
							AC adapter	45W AC adapter, 65W Slim AC adapter, or 65W AC adapter				
								RapidCharge	AC adapter	45W	65W Slim	65W
								Charge to 80%	1.1hr	55min	55min	
SIM card (opt)	AT&T® or Verizon® LTE (4G), contract required with service provider							Charge to 100%	2.5hr	2.3hr	2.3hr	
								Preload	Win8.1 / 10 DG Win7:	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64		
								Win8.1 64:	Windows 10 Pro 64			
Media reader	None						Win8.1 P64:	Windows 8.1 Pro 64-bit				
Ports	Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector						Win10 P64:	Windows 10 Pro 64				
Monitor cable	Optional: Mini DisplayPort to VGA Monitor Cable						Limited warranty ¹²	1-year depot / 3-year (1-yr battery) depot / 3-year (1-year battery) onsite / 3-year (1-year battery) onsite, OID				

See footnotes for more detailed information

(MQ2-7) © Lenovo

ThinkPad X1 Carbon (3rd Gen) 20BT

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory (sol-dered)	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN	SIM card	Monitor cable	Camera	Backlit key-board	Finger-print reader	Battery cells	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann date (m/y)
20BT005UUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	256G SSD Opal2	7265 ac+BT	Upg	None	mDP-VGA	720p	Backlit	Finger	8(50wh)	65W	Win8.1 DG Win7	3-depot	No	05/15

• For detailed platform specifications, please see [ThinkPad X1 Carbon \(3rd Gen\) Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i5 / i7 Processor						Dimensions ³	WQHD (WxDxH): 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm			
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types		Weight ²	FHD (WxDxH): 13.03" x 8.93" x 0.71"; 331.0mm x 226.8mm x 18.16mm		
	i5-5200U	2	2.2 GHz	2.7 GHz	3MB	DDR3L-1600			WQHD Touch (WxDxH): 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm		
	i5-5300U		2.3 GHz	2.9 GHz	3MB						
	i7-5500U		2.4 GHz	3 GHz	4MB						
i7-5600U	2.6 GHz		3.2 GHz	4MB							
Graphics	Intel HD Graphics 5500						Case material	Display cover: Carbon-Fiber Reinforced Plastic + Glass-Fiber Reinforced Plastic; Bottom: Magnesium/Aluminum			
Chipset	Intel SoC (System on Chip) platform						Camera	HD720p resolution, low light sensitive, fixed focus, gesture input			
Memory	4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets						Audio support	HD Audio, Realtek® ALC3232 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack			
Display	Some: 14.0" (355mm) FHD (1920x1080), 300 nits, 400:1 contrast ratio Some: 14.0" (355mm) WQHD (2560x1440), 300 nits, 700:1 contrast ratio, IPS						Keyboard	6-row, LED backlit, spill-resistant, multimedia Fn keys			
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, 270 nits						UltraNav™	TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch			
Storage	M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxG SSD PCIe or xxxG SSD)						Security	Power-on / hard disk / supervisor password, security keyhole, reset switch			
Optical	None						Security chip	Trusted Platform Module, TCG 1.2-compliant			
Ethernet	Gigabit Ethernet via Ethernet extension cable						vPro (optional)	Intel vPro Technology			
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter						Fingerprint reader	Fingerprint reader on the keyboard bezel, swipe sensor			
WLAN ⁴	7265 b/g/n+BT: Intel Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card 7265 a/b/g/n+BT: Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card 7265 ac+BT: Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT, M.2 card						Battery type	Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery			
WWAN (optional)	Upg: Wireless WAN upgradable N5321: Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card EM7345: Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card						Max battery life ¹⁰				
							Models	FHD	WQHD	WQHD Touch	
							Battery life	10.9 hr	9.9 hr	9.9 hr	
							AC adapter	45W AC adapter, 65W Slim AC adapter, or 65W AC adapter			
							RapidCharge	AC adapter	45W	65W Slim	65W
SIM card (opt)	AT&T® or Verizon® LTE (4G), contract required with service provider						Preload	Win8.1 / 10 DG Win7: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64			
								Win8.1 64: Windows 8.1 64-bit			
								Win8.1 P64: Windows 8.1 Pro 64-bit			
								Win10 P64: Windows 10 Pro 64			
Media reader	None						Limited warranty ¹²	1-year depot / 3-year (1-yr battery) depot /			
Ports	Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector							3-year (1-year battery) onsite / 3-year (1-year battery) onsite, OED (MQ2-5) © Lenovo			
Monitor cable	Optional: Mini DisplayPort to VGA Monitor Cable										
See footnotes for more detailed information											

ThinkPad X1 Carbon (3rd Gen) 20BT (Win8)

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory (soldered)	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN	SIM card	Monitor cable	Camera	Backlit key-board	Fingerprint reader	Battery cells	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann date (m/y)
20BT000AUS	i5-5300U	vPro	HD 5500	4GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	Yes	01/15
20BT000FUS	i5-5300U	vPro	HD 5500	4GBx1	14" FHD	No	180G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	Yes	01/15
20BT000HUS	i5-5300U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	Yes	01/15
20BT000QUS	i5-5300U	vPro	HD 5500	8GBx1	14" FHD	No	240G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT000UUS	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	360G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT000WUS	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT0017US	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	240G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT0019US	i5-5300U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	EM7345	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT003EUS	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	EM7345	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT003JUS	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT000CUS	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	Yes	01/15
20BT000GUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	Yes	01/15
20BT000KUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	512G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT000XUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	360G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT0011US	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	EM7345	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT0012US	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	240G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT0014US	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	512G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT0016US	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	360G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15
20BT003MUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	Yes	01/15
20BT003QUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	EM7345	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-depot	No	01/15

• For detailed platform specifications, please see [ThinkPad X1 Carbon \(3rd Gen\) Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i5 / i7 Processor						Dimensions ³	WQHD (WxDxH): 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm FHD (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				
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types		Weight ²	Models FHD WQHD WQHD Touch			
	i5-5200U	2	2.2 GHz	2.7 GHz	3MB	DDR3L-1600			Weight 2.996 lb / 1.359 kg 2.877 lb / 1.305 kg 3.175 lb / 1.44 kg			
	i5-5300U		2.3 GHz	2.9 GHz	3MB							
	i7-5500U		2.4 GHz	3 GHz	4MB							
i7-5600U	2.6 GHz		3.2 GHz	4MB								
Graphics	Intel HD Graphics 5500						Camera	HD720p resolution, low light sensitive, fixed focus, gesture input				
Chipset	Intel SoC (System on Chip) platform						Audio support	HD Audio, Realtek® ALC3232 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack				
Memory	4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets						Keyboard	6-row, LED backlit, spill-resistant, multimedia Fn keys				
Display	Some: 14.0" (355mm) FHD (1920x1080), 300 nits, 400:1 contrast ratio Some: 14.0" (355mm) WQHD (2560x1440), 300 nits, 700:1 contrast ratio, IPS						UltraNav™	TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch				
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, 270 nits						Security	Power-on / hard disk / supervisor password, security keyhole, reset switch				
Storage	M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxG SSD PCIe or xxxG SSD)						Security chip	Trusted Platform Module, TCG 1.2-compliant				
Optical	None						vPro (optional)	Intel vPro Technology				
Ethernet	Gigabit Ethernet via Ethernet extension cable						Fingerprint reader	Fingerprint reader on the keyboard bezel, swipe sensor				
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter						Battery type	Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery				
WLAN ⁴	7265 b/g/n+BT: Intel Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card 7265 a/b/g/n+BT: Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card 7265 ac+BT: Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT, M.2 card						Max battery life ¹⁰	Models FHD WQHD WQHD Touch Battery life 10.9 hr 9.9 hr 9.9 hr				
WWAN (optional)	Upg: Wireless WAN upgradable N5321: Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card EM7345: Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card						AC adapter	45W AC adapter, 65W Slim AC adapter, or 65W AC adapter				
							RapidCharge	AC adapter 45W 65W Slim 65W Charge to 80% 1.1hr 55min 55min Charge to 100% 2.5hr 2.3hr 2.3hr				
SIM card (opt)	AT&T® or Verizon® LTE (4G), contract required with service provider						Preload	Win8.1 / 10 DG Win7: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64 Win8.1 64: Windows 8.1 64-bit Win8.1 P64: Windows 8.1 Pro 64-bit Win10 P64: Windows 10 Pro 64				
Media reader	None						Limited warranty ¹²	1-year depot / 3-year (1-yr battery) depot / 3-year (1-year battery) onsite / 3-year (1-year battery) onsite, OID				
Ports	Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector											
Monitor cable	Optional: Mini DisplayPort to VGA Monitor Cable											

See footnotes for more detailed information
US model(s) withdrawn effective April 2015

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ThinkPad X1 Carbon (3rd Gen) 20BT (Onsite) - Win8

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory (soldered)	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN	SIM card	Monitor cable	Camera	Backlit key-board	Fingerprint reader	Battery cells	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann date (m/y)
20BT000JUS	i5-5300U	vPro	HD 5500	4GBx1	14" FHD	No	180G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	Yes	01/15
20BT003XUS	i5-5300U	vPro	HD 5500	4GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	Yes	01/15
20BT000LUS	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	EM7345	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT000MUS	i5-5300U	vPro	HD 5500	8GBx1	14" FHD	No	240G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT000NUS	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	360G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT000PUS	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT000SUS	i5-5300U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	EM7345	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT0010US	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	240G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT0018US	i5-5300U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT003VUS	i5-5300U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	Yes	01/15
20BT000BUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	Yes	01/15
20BT000DUS	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	Yes	01/15
20BT000EUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	Yes	01/15
20BT000RUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	EM7345	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT000TUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	360G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT000VUS	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	256G SSD Opal2	7265 ac+BT	EM7345	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT000YUS	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	512G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT0013US	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	512G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT0015US	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	360G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15
20BT003WUS	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	240G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win8.1 P64	3-onsite	No	01/15

• For detailed platform specifications, please see [ThinkPad X1 Carbon \(3rd Gen\) Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i5 / i7 Processor						Dimensions ³	WQHD (WxDxH): 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm				
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types		FHD (WxDxH): 13.03" x 8.93" x 0.71"; 331.0mm x 226.8mm x 18.16mm				
	i5-5200U	2	2.2 GHz	2.7 GHz	3MB	DDR3L-1600		WQHD Touch (WxDxH): 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm				
	i5-5300U		2.3 GHz	2.9 GHz	3MB			Weight ²	Models	FHD	WQHD	WQHD Touch
	i7-5500U		2.4 GHz	3 GHz	4MB				Weight	2.996 lb / 1.359 kg	2.877 lb / 1.305 kg	3.175 lb / 1.44 kg
	i7-5600U		2.6 GHz	3.2 GHz	4MB				Case material	Display cover: Carbon-Fiber Reinforced Plastic + Glass-Fiber Reinforced Plastic; Bottom: Magnesium/Aluminum		
Graphics	Intel HD Graphics 5500						Camera	HD720p resolution, low light sensitive, fixed focus, gesture input				
Chipset	Intel SoC (System on Chip) platform						Audio support	HD Audio, Realtek® ALC3232 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack				
Memory	4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets						Keyboard	6-row, LED backlit, spill-resistant, multimedia Fn keys				
Display	Some: 14.0" (355mm) FHD (1920x1080), 300 nits, 400:1 contrast ratio Some: 14.0" (355mm) WQHD (2560x1440), 300 nits, 700:1 contrast ratio, IPS						UltraNav™	TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch				
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, 270 nits						Security	Power-on / hard disk / supervisor password, security keyhole, reset switch				
Storage	M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxG SSD PCIe or xxxG SSD)						Security chip	Trusted Platform Module, TCG 1.2-compliant				
Optical	None						vPro (optional)	Intel vPro Technology				
Ethernet	Gigabit Ethernet via Ethernet extension cable						Fingerprint reader	Fingerprint reader on the keyboard bezel, swipe sensor				
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter						Battery type	Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery				
WLAN ⁴	7265 b/g/n+BT: Intel Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card 7265 a/b/g/n+BT: Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card 7265 ac+BT: Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT, M.2 card						Max battery life ¹⁰	Models	FHD	WQHD	WQHD Touch	
WWAN (optional)	Upg: Wireless WAN upgradable N5321: Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card EM7345: Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card						AC adapter	45W AC adapter, 65W Slim AC adapter, or 65W AC adapter				
								AC adapter	45W	65W Slim	65W	
								Charge to 80%	1.1hr	55min	55min	
								Charge to 100%	2.5hr	2.3hr	2.3hr	
RapidCharge							Preload	Win8.1 / 10 DG Win7:	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64			
SIM card (opt)	AT&T® or Verizon® LTE (4G), contract required with service provider							Win8.1 64:	Windows 8.1 64-bit			
Media reader	None							Win8.1 P64:	Windows 8.1 Pro 64-bit			
Ports	Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector							Win10 P64:	Windows 10 Pro 64			
Monitor cable	Optional: Mini DisplayPort to VGA Monitor Cable						Limited warranty ¹²	1-year depot / 3-year (1-yr battery) depot / 3-year (1-year battery) onsite / 3-year (1-year battery) onsite, OID				

See footnotes for more detailed information
US model(s) withdrawn effective April 2015

(MQ2-4) © Lenovo

ThinkPad X1 Carbon (3rd Gen) 20BT (Onsite) - Win10

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory (soldered)	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN	SIM card	Monitor cable	Camera	Backlit key-board	Fingerprint reader	Battery cells	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann date (m/y)
20BT007YUS	i7-5600U	vPro	HD 5500	8GBx1	14" FHD	No	128G SSD	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-onsite	Yes	07/15
20BT0081US	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	MT	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-onsite	Yes	07/15
20BT0080US	i7-5600U	vPro	HD 5500	8GBx1	14" WQHD IPS	No	256G SSD Opal2	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-onsite	Yes	07/15
20BT0087US	i7-5600U	vPro	HD 5500	16GBx1	14" WQHD IPS	MT	512G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-onsite	Yes	09/15
20BT0085US	i7-5600U	vPro	HD 5500	16GBx1	14" WQHD IPS	No	256G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-onsite	Yes	09/15
20BT0086US	i7-5600U	vPro	HD 5500	16GBx1	14" WQHD IPS	No	512G SSD PCIe	7265 ac+BT	Upg	None	None	720p	Backlit	Finger	8(50wh)	65W	Win10 P64	3-onsite	Yes	09/15

• For detailed platform specifications, please see [ThinkPad X1 Carbon \(3rd Gen\) Platform Specifications sheet](#)

Processor	5th Generation Intel® Core™ i5 / i7 Processor						Dimensions ³	WQHD (WxDxH): 13.03" x 8.92" x 0.70"; 331.0mm x 226.5mm x 17.72mm						
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types		FHD (WxDxH): 13.03" x 8.93" x 0.71"; 331.0mm x 226.8mm x 18.16mm						
	i5-5200U	2	2.2 GHz	2.7 GHz	3MB	DDR3L-1600		WQHD Touch (WxDxH): 13.03" x 8.94" x 0.73"; 331.0mm x 227.1mm x 18.46mm						
	i5-5300U		2.3 GHz	2.9 GHz	3MB									
	i7-5500U		2.4 GHz	3 GHz	4MB									
i7-5600U	2.6 GHz		3.2 GHz	4MB										
Graphics	Intel HD Graphics 5500						Case material	Display cover: Carbon-Fiber Reinforced Plastic + Glass-Fiber Reinforced Plastic; Bottom: Magnesium/Aluminum						
Chipset	Intel SoC (System on Chip) platform							Camera	HD720p resolution, low light sensitive, fixed focus, gesture input					
Memory	4GB, 8GB, or 16GB / PC3-12800 1600MHz DDR3L / soldered to systemboard, no sockets								Audio support	HD Audio, Realtek® ALC3232 codec / stereo speakers, 1 watt x 2 / dual array microphone, combo audio/microphone jack				
Display	Some: 14.0" (355mm) FHD (1920x1080), 300 nits, 400:1 contrast ratio Some: 14.0" (355mm) WQHD (2560x1440), 300 nits, 700:1 contrast ratio, IPS									Keyboard	6-row, LED backlit, spill-resistant, multimedia Fn keys			
Multi-touch (opt)	Capacitive-type multi-touch, supports 10-finger gesture, 270 nits										UltraNav™ TrackPoint® pointing device and buttonless glass surface touchpad, multi-touch			
Storage	M.2 SSD / PCIe 2.0 x4 or SATA (e.g. xxxG SSD PCIe or xxxG SSD)						Security	Power-on / hard disk / supervisor password, security keyhole, reset switch						
Optical	None							Security chip	Trusted Platform Module, TCG 1.2-compliant					
Ethernet	Gigabit Ethernet via Ethernet extension cable								vPro (optional)	Intel vPro Technology				
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									Fingerprint reader	Fingerprint reader on the keyboard bezel, swipe sensor			
WLAN ⁴	7265 b/g/n+BT: Intel Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card 7265 a/b/g/n+BT: Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT, M.2 card 7265 ac+BT: Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT, M.2 card										Battery type	Integrated Lithium Polymer 8-cell (50Wh) RapidCharge battery		
WWAN (optional)	Upg: Wireless WAN upgradable						Max battery life ¹⁰							
	N5321: Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card							Models FHD WQHD WQHD Touch						
	EM7345: Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card							Battery life 10.9 hr 9.9 hr 9.9 hr						
SIM card (opt)	AT&T® or Verizon® LTE (4G), contract required with service provider						AC adapter	45W AC adapter, 65W Slim AC adapter, or 65W AC adapter						
Media reader	None							RapidCharge	AC adapter 45W 65W Slim 65W					
Ports	Two USB 3.0 (one Always On), Mini DisplayPort, HDMI, Ethernet extension connector, Lenovo OneLink connector								Charge to 80% 1.1hr 55min 55min					
Monitor cable	Optional: Mini DisplayPort to VGA Monitor Cable								Charge to 100% 2.5hr 2.3hr 2.3hr					
							Preload	Win8.1 / 10 DG Win7: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit or Windows 10 Pro 64						
								Win8.1 64: Windows 8.1 64-bit						
								Win8.1 P64: Windows 8.1 Pro 64-bit						
								Win10 P64: Windows 10 Pro 64						
							Limited warranty ¹²	1-year depot / 3-year (1-yr battery) depot / 3-year (1-year battery) onsite / 3-year (1-year battery) onsite, OID						

See footnotes for more detailed information

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