

ThinkPad X1 Carbon (5th Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor	6th Generation Intel® Core™ i5 / i7 Processor								Smart card readerNone Media readerMicroSD card reader, supports UHS-II microSD card PortsTwo USB 3.1 Gen 1 (USB 3.0, one Always On), two USB 3.1 Type-C Gen 2 / Thunderbolt 3 (support data, video, and power delivery), HDMI 1.4b, Ethernet extension connector WiGig dock (opt) ThinkPad WiGig dock Monitor cable (optional)HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter USB-C to DP: Lenovo USB-C to DisplayPort Adapter
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	i5-6200U	2	4	2.3 GHz	2.8 GHz	3MB	LPDDR3-1866	Intel HD Graphics 520	
	i5-6300U			2.4 GHz	3.0 GHz	3MB			
	i7-6500U			2.5 GHz	3.1 GHz	4MB			
	i7-6600U			2.6 GHz	3.4 GHz	4MB			
	or 7th Generation Intel Core i5 / i7 Processor								
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	
	i5-7200U	2	4	2.5 GHz	3.1 GHz	3MB	LPDDR3-1866	Intel HD Graphics 620	
	i5-7300U			2.6 GHz	3.5 GHz	3MB			
i7-7500U	2.7 GHz			3.5 GHz	4MB				
i7-7600U	2.8 GHz			3.9 GHz	4MB				
Graphics	Intel HD Graphics 520 or 620 in processor; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI)								
Chipset	Intel SoC (System on Chip) platform								
Memory	8GB or 16GB / 1866MHz LPDDR3 / soldered to systemboard, no sockets								
Display	Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle								
Multi-touch	None								
Storage	Some: M.2 SSD / SATA 6.0Gb/s (e.g. xxxG SSD) Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s (e.g. xxxG SSD PCIe NVMe)								
Optical	None								
Ethernet	Native Intel Ethernet Connection I219-V (Non-vPro) or I219-LM (vPro)) via optional ThinkPad Ethernet Extension Cable								
WLAN	One of the following, configurable by model (WiGig can coexist with WWAN): - Intel Dual Band Wireless-AC 8260, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card - Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card - Intel Tri-Band Wireless-AC 18265, WiGig 802.11ad + Wi-Fi 2x2 802.11ac + BT4.1, M.2 card								
Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter * Intel 8265ac / 18265ac card support BT4.2 but is limited to BT4.1 by Windows OS								
WWAN (optional)	Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)								
SIM card (opt)	Micro-SIM card slot, opt Verizon LTE (US) or Lenovo® Connect (EMEA) SIM card								
Dimensions	WxDxH: 12.74" x 8.55" x 0.63"; 323.5mm x 217.1mm x 15.95mm								
Weight	Starting at 2.49 lb / 1.13 kg								
Case color	Black or Silver (silver is not available in EMEA)								
Case material	Display cover: CFRP/GFRP hybrid; Bottom: magnesium alloy hybrid								

Lenovo
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Model	20HQ0024++
Product	ThinkPad X1 Carbon (5th Gen)
Region	EMEA
Machine Type	20HQ
TopSeller	No
Processor	Core i7-7600U (2C, 2.8 / 3.9GHz, 4MB)
vPro	vPro
Graphics	Integrated Intel HD Graphics 620
Memory	8GB Soldered
Display	14" FHD (1920x1080) IPS
Multi-touch	None
Storage	256GB SSD M.2 PCIe NVMe Opal2
Optical	None
WLAN + Bluetooth	Intel 18265 ac, 2x2 + BT4.1
WWAN	Sierra EM7455
SIM Card	None
Dock	None
Monitor Cable	None
Adapter	ThinkPad Ethernet Extension Cable
Color	Black
Camera	720p
Keyboard	Backlit
Fingerprint Reader	Fingerprint Reader
NFC	None
TPM	dTPM 2.0
Battery	3-cell (57Wh)
Power Adapter	65W USB-C
Operating System	Windows 10 Pro 64
Warranty	3-year, Onsite
End of Support	Mar 7, 2023
Ann Date (mm/yy)	02/17





