



## Lenovo ThinkPad X1 Carbon (6th Gen) Intel® Core™ i7 i7-8650U Laptop 35.6 cm (14") Touchscreen Full HD 8 GB LPDDR3-SDRAM 256 GB SSD Windows 10 Pro Silver

**Brand :** Lenovo

**Product family:** ThinkPad

**Product code:** 20KH0076US

**Product name :** ThinkPad X1 Carbon (6th Gen)

Intel Core i7-8650U (4C, 1.9 / 4.2GHz, 8MB), 8GB Soldered, 256GB SSD M.2 PCIe NVMe Opal2, 14" FHD (1920x1080) IPS Anti-glare, Intel UHD Graphics 620, Intel 8265 ac, 2x2 + BT4.1, Windows 10 Pro 64  
Lenovo ThinkPad X1 Carbon (6th Gen). Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-8650U, Processor frequency: 1.9 GHz. Display diagonal: 35.6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Touchscreen. Internal memory: 8 GB, Internal memory type: LPDDR3-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. Mobile network generation: 4G. Operating system installed: Windows 10 Pro



Design		Ports & interfaces	
Product type *	Laptop	Combo headphone/mic port	✓
Product colour *	Silver	<b>Keyboard</b>	
Form factor *	Clamshell	Numeric keypad *	✗
<b>Display</b>		Keyboard backlight	✓
Display diagonal *	35.6 cm (14")	Spill-resistant keyboard	✓
Display resolution *	1920 x 1080 pixels	<b>Software</b>	
Touchscreen *	✓	Operating system architecture	64-bit
HD type	Full HD	Operating system installed *	Windows 10 Pro
Touch technology	Multi-touch	<b>Processor special features</b>	
Panel type	IPS	Intel My WiFi Technology	✓
LED backlight	✓	Intel® Smart Response Technology	✓
Native aspect ratio	16:9	Intel Identity Protection Technology	✓
<b>Processor</b>		Intel Hyper-Threading Technology	✓
Processor manufacturer *	Intel	Intel Turbo Boost Technology	2.0
Processor family *	Intel® Core™ i7	Enhanced Intel SpeedStep Technology	✓
Processor generation	8th gen Intel® Core™ i7	Intel Clear Video HD Technology	✓
Processor *	i7-8650U	Intel Clear Video Technology	✓
Processor number of cores	4	Intel® InTru™ 3D Technology	✓
Processor threads	8	Intel® Quick Sync Video Technology	✓
Processor boost frequency	4.2 GHz	Intel Flex Memory Access	✓
Processor frequency *	1.9 GHz	Intel AES New Instructions	✓
System bus data transfer rate	4 GT/s	Intel Trusted Execution Technology	✓
Processor cache	8 MB	Intel Enhanced Halt State	✓
Processor socket	BGA 1356	Intel VT-x with Extended Page Tables (EPT)	✓
Processor lithography	14 nm	Intel® Secure Key	✓
Processor operating modes	64-bit	Intel TSX-NI	✓
Processor codename	Kaby Lake R	Intel Stable Image Platform Program (SIPP)	✓
Bus type	OPI	Intel® OS Guard	✓
Stepping	Y0		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2.1 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	10 W		
Configurable TDP-down frequency	0.8 GHz		

Processor		Processor special features	
Tjunction	100 °C	Intel Software Guard Extensions (Intel SGX)	✓
Maximum number of PCI Express lanes	12	Intel Clear Video Technology for MID	✓
PCI Express slots version	3.0	Intel 64	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Execute Disable Bit	✓
ECC supported by processor	✗	Idle States	✓
Memory		Thermal Monitoring Technologies	✓
Internal memory *	8 GB	Processor package size	42 x 24 mm
Internal memory type	LPDDR3-SDRAM	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory clock speed	2133 MHz	Processor code	SR3L8
Memory form factor	On-board	CPU configuration (max)	1
Storage		Embedded options available	✗
Total storage capacity *	256 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	SSD	Intel Identity Protection Technology version	1.00
Number of SSDs installed	1	Intel Smart Response Technology version	1.00
Solid-state drive capacity	256 GB	Intel Stable Image Platform Program (SIPP) version	1.00
Solid-state drive interfaces	M.2	Intel Secure Key Technology version	1.00
Optical drive *	✗	Intel TSX-NI version	1.00
Graphics		Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Processor ARK ID	124968
On-board graphics card model *	Intel® UHD Graphics 620	Conflict-Free processor	✓
On-board graphics card base frequency	300 MHz	Battery	
On-board graphics card dynamic frequency (max)	1150 MHz	Battery technology	Lithium-Ion (Li-Ion)
Maximum on-board graphics card memory	32 GB	Battery capacity *	57 Wh
On-board graphics card DirectX version	12.0	Power	
On-board graphics card OpenGL version	4.4	AC adapter power	65 W
On-board graphics card ID	0x5917	Security	
Audio		Fingerprint reader	✓
Number of built-in speakers	2	Trusted Platform Module (TPM)	✓
Speaker power	1 W	Password protection	✓
Camera		Password protection type	HDD, Power on, Supervisor
Front camera	✓	Certificates	
Front camera resolution	1280 x 720 pixels	Compliance certificates	RoHS
Network		Sustainability	
Mobile network generation	4G	Sustainability certificates	EPEAT Gold, ENERGY STAR
Wi-Fi	✓	Weight & dimensions	
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Width	323.5 mm
Mobile network connection *	✓	Depth	217.1 mm
Bluetooth	✓	Height	15.9 mm
Bluetooth version	4.1	Weight *	1.13 kg
Ports & interfaces			
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		
HDMI ports quantity *	1		
Thunderbolt 3 ports quantity	2		

## Catalog Object Cloud



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