



Lenovo ThinkPad X13 Laptop 33.8 cm (13.3") Full HD Intel® Core™ i7 i7-10610U 16 GB DDR4-SDRAM 1 TB SSD Wi-Fi 6 (802.11ax) Windows 10 Pro Black

Brand : Lenovo

Product family: ThinkPad

Product code: 20T2003XUS

Product name : X13



- Ultimate 13.3" business travel laptop
- Thin and Light
- Latest Intel® Core™ processing
- Ample storage and memory options
- Great security features
- All day battery performance

Intel Core i7-10610U (8MB Cache, 1.8GHz), 16GB DDR4-SDRAM, 1000GB SSD, 33.8 cm (13.3") Full HD 1920 x 1080 IPS, Intel UHD Graphics, WLAN, Webcam, Windows 10 Pro 64-bit

Lenovo ThinkPad X13. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-10610U, Processor frequency: 1.8 GHz. Display diagonal: 33.8 cm (13.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 10 Pro. Product colour: Black



Design		Network	
Product type *	Laptop	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Product colour *	Black	Antenna type	2x2
Form factor *	Clamshell	WLAN controller model	Intel Wi-Fi 6 AX201
Market positioning	Business	Bluetooth	✓
Display		Bluetooth version	5.0
Display diagonal *	33.8 cm (13.3")	Ports & interfaces	
Display resolution *	1920 x 1080 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
HD type	Full HD	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Panel type	IPS	HDMI ports quantity *	1
LED backlight	✓	HDMI version	1.4b
Native aspect ratio	16:9	Combo headphone/mic port	✓
Display brightness	500 cd/m ²	Docking connector	✓
Contrast ratio (typical)	1000:1	Charging port type	USB Type-C
Processor		USB Type-C DisplayPort Alternate Mode	✓
Processor manufacturer *	Intel	USB Power Delivery	✓
Processor generation	10th gen Intel® Core™ i7	USB Sleep-and-Charge	✓
Processor family *	Intel® Core™ i7	USB Sleep-and-Charge ports	1
Processor model *	i7-10610U	Keyboard	
Processor frequency *	1.8 GHz	Pointing device	ThinkPad UltraNav
Processor boost frequency	4.9 GHz	Numeric keypad *	✗
Processor threads	8	Keyboard backlight	✓
System bus rate	4 GT/s	Spill-resistant keyboard	✓
Processor cores	4	Software	
Processor cache	8 MB	Operating system architecture	64-bit
Processor cache type	Smart Cache	Operating system installed *	Windows 10 Pro
Processor socket	BGA 1528		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Comet Lake		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2.3 GHz		
Configurable TDP-up	25 W		

Processor		Processor special features	
Configurable TDP-down	10 W	Intel® My WiFi Technology (Intel® MWT)	✓
Configurable TDP-down frequency	0.8 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Tjunction	100 °C	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Maximum number of PCI Express lanes	16	Intel® Turbo Boost Technology	2.0
PCI Express slots version	3.0	Enhanced Intel SpeedStep Technology	✓
PCI Express configurations	1x4, 2x2, 1x2+2x1, 4x1	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory		Intel Clear Video Technology	✓
Internal memory *	16 GB	Intel® Quick Sync Video Technology	✓
Internal memory type	DDR4-SDRAM	Intel Flex Memory Access	✓
Memory clock speed	2666 MHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory form factor	On-board	Intel Trusted Execution Technology	✓
Maximum internal memory *	16 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Storage		Intel® Secure Key	✓
Total storage capacity *	1 TB	Intel Stable Image Platform Program (SIPP)	✓
Storage media *	SSD	Intel® OS Guard	✓
Total SSDs capacity	1 TB	Intel Software Guard Extensions (Intel SGX)	✓
Number of SSDs installed	1	Intel 64	✓
SSD capacity	1 TB	Idle States	✓
SSD form factor	M.2	Thermal Monitoring Technologies	✓
Optical drive type *	✗	Processor package size	46 x 24 mm
Card reader integrated	✓	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Compatible memory cards	MicroSD (TransFlash)	CPU configuration (max)	1
Graphics		Embedded options available	✗
Discrete graphics card model *	Not available	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board GPU manufacturer	Intel	Processor ARK ID	201896
Discrete graphics card *	✗	Battery	
On-board graphics card model *	Intel® UHD Graphics	Battery technology	Lithium Polymer (LiPo)
On-board graphics card base frequency	300 MHz	Battery capacity *	48 Wh
On-board graphics card dynamic frequency (max)	1150 MHz	Battery life (max)	15.9 h
Maximum on-board graphics card memory	32 GB	Security	
Number of execution units	24	Cable lock slot	✓
On-board graphics card DirectX version	12.0	Cable lock slot type	Kensington
On-board graphics card OpenGL version	4.5	Fingerprint reader	✓
On-board graphics card ID	0x9B41,0x9BCC	Trusted Platform Module (TPM)	✓
Audio		Password protection	✓
Audio chip	Realtek ALC3287	Password protection type	HDD, Power on, Supervisor
Audio system	Dolby Audio	Sustainability	
Number of built-in speakers	2	Sustainability certificates	RoHS, EPEAT Gold, ENERGY STAR
Speaker power	1 W	Weight & dimensions	
Built-in microphone	✓	Width	311.9 mm
Number of microphones	2	Depth	217.2 mm
Camera		Height	16.9 mm
Front camera	✓	Weight *	1.28 kg
Front camera HD type	HD	Network	
Infrared (IR) camera	✓	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Privacy camera	✓		
Privacy type	Privacy shutter		

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