



## Lenovo ThinkPad X13 Yoga Intel® Core™ i7 i7-10510U Hybridi (2-in-1) 33,8 cm (13.3") Kosketusnäyttö Full HD 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6 (802.11ax) Windows 10 Pro musta



**Tuotemerkki :** Lenovo

**Tuoteperhe:** ThinkPad

**Tuotekoodi:** 20SX003CMX

**Tuotteen nimi :** X13 Yoga

- Windows 10 Pro 64-bit
- Intel Core i7-10510U (8MB Cache, 1.8GHz)
- 33.8 cm (13.3") Full HD 1920 x 1080 IPS Touch
- 16GB (2666MHz) DDR4-SDRAM & 512GB SSD

Intel Core i7-10510U (8MB Cache, 1.8GHz), 16GB DDR4-SDRAM, 512GB SSD, 33.8 cm (13.3") Full HD 1920 x 1080 IPS Touch, Intel UHD Graphics, WLAN, 4G, Webcam, Windows 10 Pro 64-bit

Lenovo ThinkPad X13 Yoga. Tuotetyyppi: Hybridi (2-in-1), Kotelo: Muunneltava (kansio). Suoritinperhe: Intel® Core™ i7, Prosessorimalli: i7-10510U, Prosessorin taajuus: 1,8 GHz. Näytön halkaisija: 33,8 cm (13.3"), HD-tyyppi: Full HD, Näytön erottelutarkkuus: 1920 x 1080 pikseliä, Kosketusnäyttö. Sisäinen muisti: 16 GB, Sisäisen muistin tyyppi: DDR4-SDRAM. Kokonaistallennuskapasiteetti: 512 GB, Tallennusmedia: SSD. Mobiiliverkon sukupolvi: 4G. Käyttöjärjestelmä asennettu: Windows 10 Pro

Design		Network	
Product type *	Hybrid (2-in-1)	Bluetooth	✓
Product colour *	Black	Bluetooth version	5.1
Form factor *	Convertible (Folder)	WWAN	Installed
Display		Ports & interfaces	
Touchscreen type	Capacitive	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display diagonal *	33.8 cm (13.3")	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Display resolution *	1920 x 1080 pixels	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Touchscreen *	✓	HDMI ports quantity *	1
HD type	Full HD	HDMI version	1.4b
Panel type	IPS	Combo headphone/mic port	✓
LED backlight	✓	Docking connector	✓
Native aspect ratio	16:9	USB Type-C DisplayPort Alternate Mode	✓
Display brightness	400 cd/m <sup>2</sup>	USB Sleep-and-Charge	✓
Colour gamut	72%	USB Sleep-and-Charge ports	1
Contrast ratio (typical)	1500:1	Keyboard	
Processor		Pointing device	ThinkPad UltraNav
Processor manufacturer *	Intel	Numeric keypad *	✗
Processor family *	Intel® Core™ i7	Keyboard backlit	✓
Processor generation	10th gen Intel® Core™ i7	Spill-resistant keyboard	✓
Processor model *	i7-10510U	Software	
Processor cores	4	Operating system architecture	64-bit
Processor threads	8	Operating system installed *	Windows 10 Pro
Processor boost frequency	4.9 GHz	Processor special features	
Processor frequency *	1.8 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
System bus rate	4 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cache	8 MB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache type	Smart Cache	Intel® Turbo Boost Technology	2.0
Processor socket	BGA 1528	Enhanced Intel SpeedStep Technology	✓
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		
Configurable TDP-down	10 W		
Configurable TDP-down frequency	0.8 GHz		

Processor		Processor special features	
Tjunction	100 °C	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Maximum number of PCI Express lanes	16	Intel Clear Video Technology	✓
PCI Express slots version	3.0	Intel® Quick Sync Video Technology	✓
PCI Express configurations	1x4, 2x2, 1x2+2x1, 4x1	Intel Flex Memory Access	✓
Memory		Intel® AES New Instructions (Intel® AES-NI)	✓
Internal memory *	16 GB	Intel Trusted Execution Technology	✗
Internal memory type	DDR4-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory clock speed	2666 MHz	Intel® Secure Key	✓
Memory form factor	On-board	Intel TSX-NI	✗
Maximum internal memory *	16 GB	Intel Stable Image Platform Program (SIPP)	✗
Storage		Intel® OS Guard	✓
Total storage capacity *	512 GB	Intel Software Guard Extensions (Intel SGX)	✓
Storage media *	SSD	Intel 64	✓
Total SSDs capacity	512 GB	Execute Disable Bit	✓
Number of SSDs installed	1	Idle States	✓
SSD capacity	512 GB	Thermal Monitoring Technologies	✓
SSD interface	NVMe, PCI Express	Processor package size	46 x 24 mm
NVMe	✓	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
SSD form factor	M.2	CPU configuration (max)	1
Optical drive type *	✗	Embedded options available	✗
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Compatible memory cards	MicroSD (TransFlash)	Intel Virtualization Technology (VT-x)	✓
Graphics		Processor ARK ID	196449
Discrete graphics card model *	Not available	Battery	
On-board graphics card *	✓	Battery technology	Lithium Polymer (LiPo)
On-board GPU manufacturer	Intel	Battery capacity *	50 Wh
Discrete graphics card *	✗	Battery life (max)	18.2 h
On-board graphics card model *	Intel® UHD Graphics	Fast charging	✓
On-board graphics card base frequency	300 MHz	Power	
On-board graphics card dynamic frequency (max)	1150 MHz	AC adapter power	65 W
Maximum on-board graphics card memory	32 GB	USB Type-C charging port *	✓
Number of execution units	24	USB Power Delivery (USB PD)	✓
On-board graphics card DirectX version	12.0	Security	
On-board graphics card OpenGL version	4.5	Cable lock slot	✓
On-board graphics card ID	0x9B41	Cable lock slot type	Kensington
Audio		Fingerprint reader	✓
Audio chip	Realtek ALC3287	Smart card reader	✓
Audio system	Dolby Audio	Trusted Platform Module (TPM)	✓
Number of built-in speakers	2	Password protection	✓
Speaker power	2 W	Password protection type	HDD, Power on, Supervisor
Built-in microphone	✓	Certificates	
Number of microphones	2	Compliance certificates	RoHS
Camera		Certification	MIL-STD-810G
Front camera	✓	Sustainability	
Front camera HD type	HD	Sustainability certificates	TCO, EPEAT Gold, ENERGY STAR
Infrared (IR) camera	✓	Weight & dimensions	
Privacy camera	✓	Width	310.4 mm
Privacy type	Privacy shutter	Depth	219 mm
Network		Height	15.9 mm
Mobile network generation	4G		
4G standard	LTE-A		
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)		

Network		Weight & dimensions	
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	Weight *	1.25 kg
Mobile network connection *	✓	Packaging content	
Antenna type	2x2	Stylus pen	✓
WLAN controller model	Intel Wi-Fi 6 AX201		
WLAN controller manufacturer	Intel		



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