Lenovo

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

Product type *	Hybrid (2-in-1)
Product colour *	Black
Form factor *	Convertible (Folder)

Display

Touchscreen type	Capacitive
Display diagonal *	33.8 cm (13.3")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✔
HD type	Full HD
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:9
Display brightness	400 cd/m²
Colour gamut	72%
Contrast ratio (typical)	1500:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	10th gen Intel® Core™ i7
Processor model *	i7-10510U
Processor cores	4
Processor threads	8
Processor boost frequency	4.9 GHz
Processor frequency *	1.8 GHz
System bus rate	4 GT/s
Processor cache	8 MB
Processor cache type	Smart Cache
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
Configurable TDP-down	10 W
Configurable TDP-down frequency	0.8 GHz

Network

Bluetooth	✔
Bluetooth version	5.1
WWAN	Installed

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HDMI ports quantity *	1
HDMI version	1.4b
Combo headphone/mic port	✔
Docking connector	✔
Charging port type	USB Type-C
USB Type-C DisplayPort Alternate Mode	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	1

Keyboard

Pointing device	ThinkPad UltraNav
Numeric keypad *	✗
Keyboard backlit	✔
Spill-resistant keyboard	✔

Software

Operating system architecture	64-bit
Operating system installed *	Windows 10 Pro

Processor special features

Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0

Processor

Tjunction	100 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x4, 2x2, 1x2+2x1, 4x1

Memory

Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	2666 MHz
Memory form factor	On-board
Maximum internal memory *	16 GB

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	NVMe, PCI Express
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash)

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✘
On-board graphics card model *	Intel® UHD Graphics
On-board graphics card base frequency	300 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Maximum on-board graphics card memory	32 GB
Number of execution units	24
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x9B41

Audio

Audio chip	Realtek ALC3287
Audio system	Dolby Audio
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera HD type	HD
Infrared (IR) camera	✔
Privacy camera	✔
Privacy type	Privacy shutter

Network

Mobile network generation	4G
4G standard	LTE-A
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)

Processor special features

Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel TSX-NI	✘
Intel Stable Image Platform Program (SIPP)	✘
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	46 x 24 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	196449

Battery

Battery technology	Lithium Polymer (LiPo)
Battery capacity *	50 Wh
Battery life (max)	18.2 h
Fast charging	✔

Power

AC adapter power	65 W
USB Power Delivery (USB PD) *	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Fingerprint reader	✔
Smart card reader	✔
Trusted Platform Module (TPM)	✔
Password protection	✔
Password protection type	HDD, Power on, Supervisor

Certificates

Compliance certificates	RoHS
Certification	MIL-STD-810G

Sustainability

Sustainability certificates	TCO, EPEAT Gold, ENERGY STAR

Weight & dimensions

Width	310.4 mm
Depth	219 mm
Height	15.9 mm

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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