

Microsoft Surface Laptop 7



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Microsoft	

Surface Laptop for Business

AI-powered and built for business, Surface Laptop in 13.8-inch and 15-inch models, delivers big performance and AI experiences with the Intel® Core™ Ultra processor (Series 2) in an elegant design.

Surface Copilot+ PCs, designed for business

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Zusammenfassung

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Microsoft Surface Laptop 7 for Business, Copilot+ PC (Intel), Intel Core Ultra 7, 38.1 cm (15"), 2496 x 1664 pixels, 32 GB, 512 GB, Windows 11 Pro

Microsoft Surface Laptop 7 for Business, Copilot+ PC (Intel). Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 268V. Display diagonal: 38.1 cm (15"), Display resolution: 2496 x 1664 pixels, Touchscreen. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 140V. Operating system installed: Windows 11 Pro. Product colour: Black. Weight: 1.66 kg

Merkmale

Software

Packaging content

AC adapter included	Yes
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Performance

Ambient light sensor	Yes
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Battery

Continuous video playback time	22 h
Browsing time (Wi-Fi)	14 h

Camera

Front camera	Yes
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD

Memory

Internal memory	32 GB
Internal memory type	LPDDR5x-SDRAM
Maximum internal memory	32 GB

Power

AC adapter power	65 W
USB Type-C charging port	Yes
USB Power Delivery (USB PD)	Yes

Audio

Audio system	Dolby Atmos
Speakers manufacturer	OmniSonic
Built-in microphone	Yes
Number of microphones	2

Weight & dimensions

Width	329 mm
Depth	239 mm
Height	18.3 mm
Weight	1.66 kg

Keyboard

Pointing device	Touchpad
Numeric keypad	No
Keyboard backlit	Yes
Island-style keyboard	Yes
Copilot key	Yes

Operating system architecture	64-bit
Microsoft Copilot	Yes
Copilot+ PC	Yes
Pre-installed software	Microsoft 365 Apps
Operating system installed	Windows 11 Pro

Design

Product type	Laptop
Product colour	Black
Form factor	Clamshell
Housing material	Aluminium
Market positioning	Business
Introduction year	2025

Network

Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
Mobile network connection	No
Bluetooth	Yes
Bluetooth version	5.4
Bluetooth Low Energy (BLE)	Yes

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-1 A ports quantity	
USB4 Gen 3x2 ports quantity	2
Intel® Thunderbolt 4	Yes
Combo headphone/mic port	Yes
Charging port type	Surface Connect
USB Type-C DisplayPort Alternate Mode	Yes

Neural processor unit (NPU)

Neural processor unit (NPU)	Intel AI Boost
Sparsity support	Yes
Windows Studio effects support	Yes
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML
Total processor performance up to	118 TOPs
NPU performance up to	48 TOPs
GPU performance up to	66 TOPs

Graphics

Discrete graphics card model	Not available
On-board graphics card	Yes
On-board GPU manufacturer	Intel
Discrete graphics card	No
On-board graphics card family	Intel Arc Graphics
On-board graphics card model	Intel Arc Graphics 140V
On-board graphics card 4K	Yes

Security

Face recognition	Yes
Windows Hello	Yes
Trusted Platform Module (TPM)	Yes
Trusted Platform Module (TPM) version	2.0
Password protection	Yes

support	
On-board graphics card 8K support	Yes

Storage

Total storage capacity	512 GB
Storage media	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
Optical drive type	No
Card reader integrated	Yes
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC

Display

Display diagonal	38.1 cm (15")
Display resolution	2496 x 1664 pixels
Touchscreen	Yes
Display technology marketing name	PixelSense Flow
LED backlight	Yes
Native aspect ratio	3:2
Display glass type	Gorilla Glass
Maximum display brightness (HDR)	600 cd/m ²
Pixel density	201 ppi
RGB colour space	sRGB
Maximum refresh rate	120 Hz
Contrast ratio (typical)	1300:1
High Dynamic Range (HDR) supported	Yes
High Dynamic Range (HDR) technology	Dolby Vision IQ

Processor

Processor manufacturer	Intel
Processor family	Intel Core Ultra 7
Processor generation	Intel Core Ultra (Series 2)
Processor model	268V
Processor cores	8
Processor threads	8
Performance cores	4
Low Power Efficient-cores	4
Performance-core Max Turbo Frequency	5 GHz
Low Power Efficient-core Max Turbo Frequency	3.7 GHz
Performance-core base frequency	2.2 GHz
Efficient-core base frequency	2.2 GHz
Processor cache	12 MB
Processor cache type	Smart Cache
Processor base power	17 W
Maximum turbo power	37 W