

# Microsoft Surface Laptop Studio 2

---



**Artikel**  
**Herstellernummer**  
**EAN**  
Microsoft

457244  
Z1J-00005  
0196388191444

## Surface Laptop Studio 2 for Business

### The power of Surface for Business

Surface for Business devices come with professional-grade security, device repairability, and chip-to-cloud protection.

### Built to last, easier to repair

Thoughtfully designed, Surface Laptop Studio 2 for Business is easier to repair and maintain. Plus, major components, including the display, keyboard assembly, battery, and more are replaceable through a network of approved service providers.

### Zero-touch device deployment

Windows Autopilot streamlines and simplifies the entire device deployment process—from IT configuration to employee setup—providing a fast, efficient, and hassle-free experience for your workforce.

### Powerhouse performance for your business

Get over two times more computing power and up to two times more graphics performance with the latest processors and cutting-edge professional-grade GPU. Up to 64 GB of system RAM and long hours of battery life keep your team productive all day.

### 13th Gen Intel Core processors

The latest processors, built on the Intel Evo platform, deliver over two times the power to boost performance and help you focus on getting the job done.

### Cutting-edge NVIDIA graphics

Design, engineer, or render your next product with the NVIDIA RTX 2000 Ada Generation, or create and edit content faster with the NVIDIA GeForce RTX 4050 or 4060 laptop GPUs.

### Up to 64 GB memory and 2 TB storage

Generous system RAM and ultra-fast SSDs with up to 2 TB of storage let you multitask without breaking a sweat.

### All day battery life

Stay charged and productive no matter where the day takes you without worrying about running out of battery.

### One device that does it all

The dynamic woven hinge enables seamless transitions between a powerful laptop for heavy workloads, a perfectly angled display for collaboration and presentations, and a portable canvas for notetaking.

### Collaborate better in Stage Mode

The 3:2 aspect ratio display gives you 18% more vertical screen real estate than a typical laptop, ideal for working in documents and spreadsheets, viewing CAD files, editing videos, and building 3D models.

#### **Write and draw in Studio Mode**

Take notes and sketch on a portable digital canvas with a refresh rate up to 120 Hz for smooth and responsive writing. Magnetically attach, store, and charge Surface Slim Pen 2 for Business under the front of the keyboard.

## **Zusammenfassung**

---

### **Surface Laptop Studio 2 for Business**

#### **The power of Surface for Business**

Surface for Business devices come with professional-grade security, device repairability, and chip-to-cloud protection.

#### **Built to last, easier to repair**

Thoughtfully designed, Surface Laptop Studio 2 for Business is easier to repair and maintain. Plus, major components, including the display, keyboard assembly, battery, and more are replaceable through a network of approved service providers.

#### **Zero-touch device deployment**

Windows Autopilot streamlines and simplifies the entire device deployment process—from IT configuration to employee setup—providing a fast, efficient, and hassle-free experience for your workforce.

#### **Powerhouse performance for your business**

Get over two times more computing power and up to two times more graphics performance with the latest processors and cutting-edge professional-grade GPU. Up to 64 GB of system RAM and long hours of battery life keep your team productive all day.

#### **13th Gen Intel Core processors**

The latest processors, built on the Intel Evo platform, deliver over two times the power to boost performance and help you focus on getting the job done.

#### **Cutting-edge NVIDIA graphics**

Design, engineer, or render your next product with the NVIDIA RTX 2000 Ada Generation, or create and edit content faster with the NVIDIA GeForce RTX 4050 or 4060 laptop GPUs.

#### **Up to 64 GB memory and 2 TB storage**

Generous system RAM and ultra-fast SSDs with up to 2 TB of storage let you multitask without breaking a sweat.

#### **All day battery life**

Stay charged and productive no matter where the day takes you without worrying about running out of battery.

#### **One device that does it all**

The dynamic woven hinge enables seamless transitions between a powerful laptop for heavy workloads, a perfectly angled display for collaboration and presentations, and a portable canvas for notetaking.

#### **Collaborate better in Stage Mode**

The 3:2 aspect ratio display gives you 18% more vertical screen real estate than a typical laptop, ideal for working in documents and spreadsheets, viewing CAD files, editing videos, and building 3D models.

#### **Write and draw in Studio Mode**

Take notes and sketch on a portable digital canvas with a refresh rate up to 120 Hz for smooth and responsive writing. Magnetically attach, store, and charge Surface Slim Pen 2 for Business under the front of the keyboard.

Microsoft Surface Laptop Studio 2 , Intel® Core™ i7, 36.6 cm (14.4"), 2400 x 1600 pixels, 32 GB, 1 TB, Windows 11 Pro

Microsoft Surface Laptop Studio 2 . Product type: Hybrid (2-in-1), Form factor: Convertible (Floating Slider). Processor family: Intel® Core™ i7, Processor model: i7-13800H. Display diagonal: 36.6 cm (14.4"), Display resolution: 2400 x 1600 pixels, Touchscreen. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Pro. Product colour: Platinum

# Merkmale

## Certificates

Wi-Fi certified	Yes
-----------------	-----

## Power

AC adapter power	120 W
------------------	-------

## Battery

Battery capacity	58 Wh
Battery life (max)	18 h

## Camera

Front camera	Yes
Front camera HD type	Full HD

## Keyboard

Pointing device	Touchpad
Numeric keypad	No
Keyboard backlit	Yes

## Performance

Ambient light sensor	Yes
Accelerometer	Yes
Gyroscope	Yes

## Security

Windows Hello	Yes
Trusted Platform Module (TPM)	Yes
Password protection	Yes

## Software

Operating system architecture	64-bit
Pre-installed software	Microsoft 365
Operating system installed	Windows 11 Pro

## Memory

Internal memory	32 GB
Internal memory type	LPDDR5x-SDRAM
Memory form factor	On-board
Maximum internal memory	32 GB

## Weight & dimensions

Width	323 mm
Depth	230 mm
Height	22 mm
Weight	1.98 kg

## Audio

Audio system	Dolby Atmos
Number of built-in speakers	4
Speakers manufacturer	OmniSonic
Built-in microphone	Yes
Number of microphones	2

## Network

Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection	No
Bluetooth	Yes
Bluetooth version	5.3

## Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) 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	Yes
Alternate Mode	
USB Power Delivery	Yes

## Design

Colour name	Platinum
Product type	Hybrid (2-in-1)
Product colour	Platinum
Form factor	Convertible (Floating Slider)
Housing material	Aluminium
Market positioning	Business
Introduction year	2023
Country of origin	China

## Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model	NVIDIA GeForce RTX 4050
On-board graphics card	Yes
Discrete graphics card	Yes
On-board graphics card family	Intel Iris Xe Graphics
On-board graphics card model	Intel Iris Xe Graphics
Discrete graphics card memory	6 GB

Discrete graphics memory type GDDR6

## Storage

Total storage capacity	1 TB
Storage media	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express
NVMe	Yes
SSD form factor	M.2
Optical drive type	No
Card reader integrated	Yes
Compatible memory cards	MicroSDXC

## Display

Display diagonal	36.6 cm (14.4")
Display resolution	2400 x 1600 pixels
Touchscreen	Yes
LED backlight	Yes
Native aspect ratio	3:2
Maximum display brightness (HDR)	650 cd/m <sup>2</sup>
Standard Dynamic Range (SDR) brightness	500 cd/m <sup>2</sup>
Pixel density	201 ppi
RGB colour space	sRGB
Maximum refresh rate	120 Hz
Contrast ratio (typical)	1500:1
High Dynamic Range (HDR) supported	Yes
High Dynamic Range (HDR) technology	DisplayHDR 400, Dolby Vision IQ

## Processor

Processor manufacturer	Intel
Processor generation	13th gen Intel® Core™ i7
Processor family	Intel® Core™ i7
Processor model	i7-13800H
Efficient-core Max Turbo Frequency	4 GHz
Performance-core Max Turbo Frequency	5.2 GHz
Processor cores	14
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	45 W
Maximum turbo power	115 W
Performance cores	6
Efficient cores	8

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.