

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

Built for business with Intel® Core™ Ultra processor (Series 2), Surface Laptop (7th Edition) offers exceptional AI-enabled performance for collaboration, creativity, and productivity.

Zusammenfassung

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Microsoft Surface Laptop 7 for Business, Copilot+ PC (Intel), Intel Core Ultra 5, 38.1 cm (15"), 2496 x 1664 pixels, 16 GB, 256 GB, Windows 11 Pro

Microsoft Surface Laptop 7 for Business, Copilot+ PC (Intel). Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 236V. Display diagonal: 38.1 cm (15"), Display resolution: 2496 x 1664 pixels, Touchscreen. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 130V. Operating system installed: Windows 11 Pro. Product colour: Black. Weight: 1.66 kg

Merkmale

Software

Packaging content

| | |
|---------------------|-----|
| AC adapter included | Yes |
|---------------------|-----|

Performance

| | |
|----------------------|-----|
| Ambient light sensor | Yes |
|----------------------|-----|

Battery

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|--------------------------------|------|
| 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

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|-------------------------|---------------|
| Internal memory | 16 GB |
| Internal memory type | LPDDR5x-SDRAM |
| Maximum internal memory | 16 GB |

Power

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|-----------------------------|------|
| 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

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

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

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)

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|---|--|
| 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, WebNN, Windows ML |
| Total processor performance up to | 97 TOPs |
| NPU performance up to | 40 TOPs |
| GPU performance up to | 53 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 130V |
| 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 |

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|-----------------------------------|-----|
| support | |
| On-board graphics card 8K support | Yes |

Storage

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|--------------------------|--|
| Total storage capacity | 256 GB |
| Storage media | SSD |
| Total SSDs capacity | 256 GB |
| Number of SSDs installed | 1 |
| SSD capacity | 256 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

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|--|-----------------------------|
| Processor manufacturer | Intel |
| Processor family | Intel Core Ultra 5 |
| Processor generation | Intel Core Ultra (Series 2) |
| Processor model | 236V |
| Processor cores | 8 |
| Processor threads | 8 |
| Performance cores | 4 |
| Low Power Efficient-cores | 4 |
| Performance-core Max Turbo Frequency | 4.7 GHz |
| Low Power Efficient-core Max Turbo Frequency | 3.5 GHz |
| Performance-core base frequency | 2.1 GHz |
| Efficient-core base frequency | 2.1 GHz |
| Processor cache | 8 MB |
| Processor cache type | Smart Cache |
| Processor base power | 17 W |
| Maximum turbo power | 37 W |