

# Surface Laptop 5G for Business

Premium experiences drive AI advantage anywhere

intel CORE  
ULTRA

Exceptional AI-enabled collaboration and Copilot+ PC<sup>1</sup> productivity in a sleek laptop chassis featuring Intel® Core™ Ultra processors (Series 2)



NanoSIM and eSIM capable<sup>8</sup>

Custom palm rest and multi-antenna design supports reliable connectivity in a thin, light design

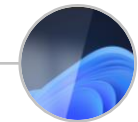
Copilot+PC

NPUs delivering 40 or 48 TOPS of on-device AI performance to support today's capabilities and tomorrow's innovations<sup>5</sup>



Windows Hello for Business with facial recognition and Enhanced Sign-In Security

Near-edgeless display and Surface's signature 3:2 ratio for more screen in a compact footprint



Anti-reflective technology reduces reflections up to 50%

## Elevate productivity

Slim chassis, stunning display, and intuitive interactions make the most of Copilot<sup>1</sup> today and tomorrow

- Stunning PixelSense™ Flow touchscreen display with HDR technology<sup>3</sup>
- AI-enhanced 1080p Surface Studio Camera
- Dual Studio Mics featuring voice focus<sup>13</sup> and Omnisonic® Speakers with Dolby Atmos<sup>®14</sup>
- Precision haptic touchpad customizable for accessibility

## Performance and AI built in

Move at the speed of opportunity with local AI processing and enterprise-ready 5G<sup>2</sup>

- Ultra-fast speeds, dynamic antenna switching, and custom-tuned Qualcomm modem performance
- Wi-Fi 7<sup>4</sup> and Bluetooth® Core 5.4 enabled
- Two USB-C® with USB4®/Thunderbolt™ 4 ports and one USB-A port
- Delivers up to 20 hours of battery life on a single charge<sup>18</sup>

## Adopt AI with peace of mind

Microsoft security at every layer to protect your data and your business

- Microsoft-designed and delivered firmware including Surface UEFI for easier configurability and up-to-date threat protection
- eSIM support enables secure, scalable 5G provisioning and management<sup>8</sup>
- Secured-core PC with hardware-based protection against firmware attacks and emerging threats
- Microsoft Pluton and TPM 2.0 for enterprise-grade security

[aka.ms/Surface-Laptop-5G-for-Business](https://aka.ms/Surface-Laptop-5G-for-Business)

<sup>1</sup>On some devices, Copilot+ PC experiences require free updates continuing to roll out through early 2025. Timing varies by device and region. See [aka.ms/copilotpluspc](https://aka.ms/copilotpluspc). <sup>2</sup>Only on specific SKUs of Surface Laptop for Business 13.8-inch. Not available in all areas. Compatibility and performance depends on carrier network, plan and other factors. See carrier for details and pricing. <sup>3</sup>HDR requires HDR content and enabling HDR in device settings. <sup>4</sup>6GHz band not available in all regions. <sup>5</sup>Intel® AI Boost with 48 TOPS on Intel® Core™ Ultra 7 processor 266V and Intel® Core™ Ultra 7 processor 268V. <sup>6</sup>eSIM support may vary by carrier. <sup>7</sup>Voice focus requires activation, requires Windows 11 and is available in apps which use integrated device microphones and use certain Windows audio processing modes. <sup>8</sup>Requires Dolby Atmos® encoded content/audio. <sup>9</sup>Based on local video playback test. Battery life varies significantly based on device configuration, usage, network and feature configuration, signal strength, settings, and other factors. See [aka.ms/SurfaceBatteryPerformance](https://aka.ms/SurfaceBatteryPerformance) for details.

# Surface Laptop 5G for Business

## PROCESSOR

- Intel® Core™ Ultra 5 processor 236V
- Intel® Core™ Ultra 5 processor 238V
- Intel® Core™ Ultra 7 processor 266V
- Intel® Core™ Ultra 7 processor 268V

## NPU

Intel® AI Boost with 40 TOPS

- Intel® Core™ Ultra 5 processor 236V
- Intel® Core™ Ultra 5 processor 238V

Intel® AI Boost with 48 TOPS

- Intel® Core™ Ultra 7 processor 266V
- Intel® Core™ Ultra 7 processor 268V

## GRAPHICS

Intel® Arc™ Graphics

## MEMORY AND STORAGE<sup>27</sup>

Memory options: 16GB, 32GB  
LPDDR5x RAM

Storage options: Removable<sup>22</sup> solid-state drive (SSD Gen 4) 256GB, 512GB, 1TB

## SECURITY

- Enterprise-grade security with TPM 2.0 chip and BitLocker support
- Windows 11 Secured-core PC
- Microsoft Pluton technology
- Windows Hello for Business with facial recognition and Enhanced Sign-In Security (ESS)

## PORTS AND CHARGING

- 2 x USB-C® with USB4®/Thunderbolt™ 4 ports with support for:
  - Charging
  - Data transfer
  - DisplayPort 2.1 supporting up to 2 x 4K monitors
  - Surface Thunderbolt™ 4 Dock and other accessories
- Supports fast charging with minimum 60W charger via Surface Connect or USB-C®<sup>21</sup>
- USB-A 3.1
- 3.5 mm headphone jack
- Surface Connect port
- NanoSIM

## NETWORK AND CONNECTIVITY

- Wi-Fi 7<sup>4</sup>
- Bluetooth® Core 5.4 technology
- Location: GNSS L1, GPS, Galileo, BeiDou, QZSS and NAVIC support
- NanoSIM and eSIM support<sup>8</sup>
- Supports 5G<sup>2</sup>
- Cellular
  - 5G-NR SA/NSA, Release 16, DL 256 QAM up to 2.9 Gbps, 4x4 MIMO, UL 256 QAM
  - 4G Gigabit LTE – Advanced Pro, Release 16, DL Cat 19 up to 1.6 Gbps, 256QAM, 4x4 MIMO, 5x DL CA, UL Cat 18, 256 QAM, Contiguous 2x ULCA
  - 5G-NR Bands: n1, n2, n3, n5, n7, n8, n12, n14, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n71, n77, n78
  - LTE Bands: 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 19, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41, 42, 48, 66, 71
  - WCDMA Bands: 1, 2, 4, 5, 8

## CAMERA

- 1080p Full HD front-facing Surface Studio Camera
- Supports Windows Studio Effects and Windows Hello for Business with facial recognition

## SOFTWARE

- Windows 11 Pro
- Preloaded Microsoft 365 Apps<sup>7</sup>
- Microsoft 365 Business Standard, Microsoft 365 Business Premium, or Microsoft 365 Apps 30-day trial<sup>28</sup>

## SIZE AND WEIGHT<sup>30</sup>

- 11.85" x 8.67" x 0.70" (301 mm x 220 mm x 17.8 mm)
- 3.06 lbs (1.39 kg)

## DISPLAY

- Touchscreen: 13.8" PixelSense™ Flow display
- Resolution: 2304 x 1536 (201 PPI)
- Aspect ratio: 3:2
- Contrast ratio: 1300:1
- Dynamic refresh rate up to 120Hz
- Color profile: sRGB and Vivid
- Individually color-calibrated display
- Adaptive color
- Auto color management
- Touch: 10-point multi-touch
- Dolby Vision IQ™ support<sup>29</sup>
- Corning® Gorilla® Glass 5
- Anti-reflective, ISO 9241-307 certified<sup>33</sup>
- Brightness:
  - SDR: 600 nits maximum (typical)
  - HDR:<sup>3</sup> 600 nits peak luminance

## BATTERY LIFE

- Up to 20 hours of local video playback<sup>39</sup>
- Up to 12 hours of active web usage<sup>40</sup>

<sup>2</sup>Only on specific SKUs of Surface Laptop for Business 13.8-inch. Not available in all areas. Compatibility and performance depends on carrier network, plan and other factors. See carrier for details and pricing. <sup>3</sup>HDR requires HDR content and enabling HDR in device settings. <sup>4</sup>6GHz band not available in all regions. <sup>7</sup>Sold separately. Software license required for some features. <sup>8</sup>eSIM support may vary by carrier. <sup>21</sup>In select markets, only specific configurations come with Surface Power Supply. Fast charging is supported with minimum 65W Surface Power Supply or minimum 60W USB Type-C® PD charger or higher, sold separately. Testing conducted by Microsoft in December 2024. For details on fast charging see [USB-C® and fast charging for Surface - Microsoft Support](#). <sup>22</sup>Solid State Drive (SSD) Retention is only available on Microsoft Surface devices in which the SSD is marketed as removable per the Technical Specifications. Solid State Drive (SSD) Retention is included in both Extended Hardware Service Plus and Microsoft Complete for Business Plus and is also available as an Optional Add-on when purchasing Microsoft Extended Hardware Service and Microsoft Complete for Business. Devices returned to Microsoft with a missing Solid State Drive (SSD) are subject to a Solid State Drive (SSD) replacement fee unless the device is enrolled in the Drive (SSD) Retention offer. <sup>27</sup>System software uses significant storage space. Available storage is subject to change based on system software updates and apps usage. 1 GB = 1 billion bytes. 1TB = 1,000 GB. See [Surface Storage](#) for more details. <sup>28</sup>Activation required. If your device is managed by your organization's IT department, contact your IT administrator for activation. After 30 days, you will be charged the applicable monthly or annual subscription fee. Credit card required. Cancel any time to stop future charges. See [aka.ms/m365businesstrialinfo](#). <sup>29</sup>Requires Dolby Vision® encoded content and video. <sup>30</sup>Might vary depending on manufacturing processes. <sup>33</sup>The Surface Laptop (Intel) 7<sup>th</sup> Edition display has been designed to minimize unwanted reflections and has been certified by TÜV SÜD to meet the requirements of ISO 9241-307. <sup>39</sup>Based on local video playback test. Testing conducted by Microsoft in July 2025 using preproduction software and preproduction Surface Laptop 13.8" Intel Core Ultra 5 256GB, 16GB RAM devices. Testing consisted of full battery discharge during video playback of a .mov file through the Windows Media Player application in 1080p at 24 FPS. All settings were default except screen brightness set to 150 nits with Auto-brightness disabled. Cellular was connected to a cellular network. Battery life varies significantly with settings, usage, and other factors. <sup>40</sup>Based on a web browsing test. Testing conducted by Microsoft in July 2025 using preproduction software and Surface Laptop 13.8" Intel Core Ultra 5 256GB, 16GB RAM devices. Testing consisted of full battery discharge while accessing eight popular websites over multiple open tabs through the browser. All settings were default except screen brightness set to 150 nits with Auto-Brightness disabled. Cellular was connected to a cellular network. Battery life varies significantly with settings, usage, and other factors.

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## KEYBOARD LAYOUT

- Activation: Moving (mechanical) keys
- Layout: QWERTY, full row of function keys (F1 – F12)
- Windows key and dedicated buttons for media controls, screen brightness
- Keyboard backlight
- Copilot key<sup>9</sup>
- Precision haptic touchpad

## AUDIO

- Dual Studio Mics with voice focus<sup>13</sup>
- Omnisonic® Speakers with Dolby Atmos<sup>®14</sup>

## SERVICEABILITY

Replacement components include:<sup>23</sup>

- Display assembly (including camera)
- Keyboard assembly (including touchpad)
- Removable solid-state drive
- Battery
- Motherboard module (including main processor and main memory)
- Surface Connect
- Audio jack
- Speakers
- Enclosure (bucket)
- Thermal module
- Feet
- Fan
- 5G module

## ACCESSIBILITY

- Surface precision haptic touchpad with adjustable click sensitivity, right click area, and adaptive touch mode<sup>38</sup>
- Compatible with Surface Adaptive Kit and Microsoft adaptive accessories
- Includes Windows Accessibility Features – [Learn more](#)
- [Discover more Microsoft Accessible Devices & Products](#)

## SENSORS

- Ambient color sensor
- AG sensor \*2 (Wi-Fi+5G only)

## WHAT'S IN THE BOX

- Surface Laptop for Business
- Power Supply (In select markets, available only with specific configurations)
  - 13.8" 39W
  - 15" 65W
- Quick Start Guide
- Safety and warranty documents

## EXTERIOR

- Casing: Anodized aluminum and antenna-optimized composite palm rest
- Colors:<sup>31</sup> Platinum and Slate palm rest

## WARRANTY<sup>32</sup>

1-year limited hardware warranty

## SUSTAINABILITY

Designed with sustainability in mind.

Recycled materials

- Battery cell makes use of 100% recycled cobalt<sup>41</sup>
- Paper-based packaging, minimizing plastic use

Repairability

Clear visual icons and built-in access to repair instructions<sup>23</sup>

Surface Trade-in

We make trade-in convenient and secure for our commercial customers in the USA at [Microsoft Trade In Program](#).

Microsoft set a goal to be carbon negative, water positive, and achieve zero waste by 2030. Learn more about how we design with sustainability in mind at [Microsoft Surface Sustainability](#).

## ENERGY USAGE [JAPAN]

Surface Laptop 5G for Business, 12" 10.96 kWh/ (AAA)

## RADIO FREQUENCY [FRANCE]<sup>34</sup>

Le débit d'absorption spécifique (DAS) local quantifie l'exposition de l'utilisateur aux ondes électromagnétiques de l'équipement concerné. Le DAS maximal autorisé est de 1.49W/kg pour le tronc et de 2.975W/kg pour les membres.

## FRENCH REPAIRABILITY INDEX [FRANCE]

[Découvrez comment l'indice de réparabilité est calculé](#)

<sup>9</sup>Copilot key feature availability varies by market, see [aka.ms/keysupport](#). <sup>13</sup>Voice focus requires activation, requires Windows 11 and is available in apps which use integrated device microphones and use certain Windows audio processing modes. <sup>14</sup>Requires Dolby Atmos® encoded content/audio. <sup>23</sup>Replacement components available through Surface Commercial authorized device resellers. Components can be replaced on-site by a skilled technician following Microsoft's Service Guide. Microsoft tools (sold separately) may also be required. Availability of replacement components and service options may vary by product, market and over time. See [Surface service options - Surface | Microsoft Learn](#). Opening and/or repairing your device can present electric shock, fire and personal injury risks and other hazards. Use caution if undertaking do-it-yourself repairs. Unless required by law, device damage caused during repair will not be covered under Microsoft's Hardware Warranty or protection plans. <sup>31</sup>Colors available on selected models only. Available colors, sizes, finishes, and processors may vary by store, market, and configuration. <sup>32</sup>Microsoft's Limited Warranty is in addition to your consumer law rights. <sup>34</sup>Le débit d'absorption spécifique (DAS) local quantifie l'exposition de l'utilisateur aux ondes électromagnétiques de l'équipement concerné. Le DAS maximal autorisé est de 2 W/kg pour la tête et le tronc et de 4 W/kg pour les membres. Consultez [cette page](#) pour en savoir plus. <sup>41</sup>Requires Windows 11.