Microsoft Surface

# Microsoft Surface in Higher Education

## Enable equitable education

# Flexible technology that adapts at the pace of AI

**AI is transforming teaching, learning, and research, therefore having the right device strategy will be critical to executing a successful AI strategy within your institution.**

### Ways modern devices create educational value

01 Devices shape how instruction and learning happen, influencing productivity and outcomes.

02 Having an endpoint protected from chip to cloud ultimately helps to protect identities and data.

03 An AI strategy requires devices that are future-ready and capable of meeting advanced demands.

## Accelerate learning & prepare students for the future

Empower faculty and learners with the right devices to create and consume immersive learning experiences, including AI

## Simplify and secure IT

Protect your people, data, and endpoints and safeguard against attacks with a unified management strategy and chip-to-cloud security


## Improve efficiency

Empower your institution to capitalize on the future with technology built for what's next

Microsoft Surface

“There is no better time to reimagine education and how technology can support that transformation.”

Satya Nadella, CEO, Microsoft

Microsoft Surface

# Meet Surface

Powerful for faculty and students.
Streamlined for IT.
Secure for all.

- **Performance** with the agility to adapt to how faculty and staff teach and work
- **Proactive protection** that can help reduce malware risk and other attacks*
- **Future-ready** to incorporate new AI apps and digital learning resources


"Microsoft Surface devices are the best way to experience Microsoft 365 and the rest of the Microsoft ecosystem, including the security tools and services."

- **Stuart Brown** - Chief Digital and Information Officer, University of Reading

## Accelerate learning & prepare students for the future

Take full advantage of new AI capabilities immediately with powerful local AI processing and devices built with Microsoft Copilot[1] in mind.

## Simplify and secure IT

Integrated protection and streamlined management empower you to adopt AI with peace of mind.

## Improve efficiency

Amplify AI investments by integrating hardware and software to power new experiences and efficiencies.

*Software license required for some features. Sold separately. [1] Eligible Microsoft 365 license and/or M365 Copilot license required for some features. US government cloud customers and students under age 18 aren't yet eligible to access Microsoft Copilot Chat.

Microsoft Surface

# Designed by Microsoft. Designed to work better together.

Surface + Windows 11 + Microsoft 365

- Institutional agility and operational efficiency
- Simplified deployment and management
- Enhanced security
- Accelerated AI experiences
- Copilot+ PCs


Surface devices paired with Microsoft 365 are worth **almost 3x the investment costs** over three years.[1]

1. IDC White Paper, commissioned by Microsoft, Evaluating the Business Case of Microsoft Surface, doc #US49453722, September 2022

Microsoft Surface

# Surface brings Microsoft AI to life

By choosing Surface for its unified hardware, software, and ecosystem innovation, leaders can enable an AI strategy that provides their institution with accelerated learning outcomes.


**Premium experiences | Enterprise-ready security | AI innovation**

Microsoft Surface

# Enable your AI transformation with Microsoft

## Accelerate learning

Teams


Microsoft 365 Copilot

## Boost productivity

Copilot

## Advance research & innovation

Fabric

Azure

## Build your own copilots

Copilot Studio

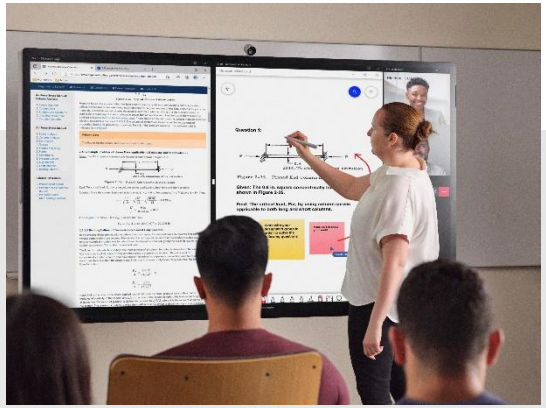
Azure AI Studio

Surface is designed to showcase the latest AI innovations from Microsoft, from device to cloud, creating holistic AI solutions

# A Surface for every role

Versatile devices for a digital campus

Teaching faculty



Leaders & Administration

Collaborative Spaces

# Teaching faculty

Providing better educational experiences

## Challenges

Faculty face unique hurdles every day, including:

- Developing lesson plans and class materials
- Performing advanced research in specialty areas
- Coordinating with students on special projects, theses, or dissertations
- Accessing and storing student information securely

## Solution

To deliver great educational experiences, teaching faculty use **Surface Pro** devices for their:

- Powerful processors to run academic software and new AI experiences without sacrificing mobility
- High-resolution touchscreen and inking to transform teaching experiences
- Long-lasting battery to support mobility
- Surface Studio Camera and AI-powered Windows Studio effects to collaborate effectively with students and other faculty
- Enterprise-grade protection for sensitive student data

Choice of **Intel® Core™ Ultra (Series 2)** or **Snapdragon X Series** processors, with 40-48 TOPS on the NPU

**Adjustable kickstand + detachable keyboard** (laptop to tablet versatility)

**5G connectivity** on select models[3]

**Built-in NFC reader** on select models[7]

**13" touchscreen** with OLED or LCD display options and **anti-reflective displays** on select models[17]

Pair **Surface Slim Pen*** with **Surface Pro Flex Keyboard*** and use keyboard attached or detached[2]

**Copilot key** on keyboard[9]

Copilot+PC

### Surface Pro for Business

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**13" PixelSense™ Flow touchscreen** and anti-reflective display

**Surface Slim Pen*** Stored securely in Surface Pro Keyboard*

**Built-in NFC reader**[9]

Optional **5G connectivity**[4]

**Intel® Core™ Ultra processors** with Intel® AI Boost NPU

**Adjustable kickstand + detachable keyboard** (laptop to tablet versatility)

**Copilot key** on keyboard[10]

### Surface Pro 10 for Business

# Teaching faculty

Providing better educational experiences

## Challenges

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- High-resolution touchscreen to transform teaching experiences
- Long-lasting battery to support mobility
- Surface Studio Camera and AI-powered Windows Studio effects to collaborate effectively with students and other faculty
- Enterprise-grade protection for sensitive student data

Choice of **Intel® Core™ Ultra (Series 2)** or **Snapdragon X Series** processors, with 40-48 TOPS on the NPU

**13.8" or 15" PixelSense Flow™** touchscreen displays

Remarkably bright with **enriched HDR tech**

**Anti-reflective displays** on select models[13]

Precision Haptic touchpad, keyboard backlight, and **Copilot key**[3]

**USB-C®/USB4 ports** for connecting multiple external monitors

Copilot+PC

### Surface Laptop for Business

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**13.5" or 15" PixelSense™** touchscreen displays

**Intel® Core™ Ultra processors** with Intel® AI Boost NPU

**Anti-reflective displays**

Large glass trackpad, backlit keys, and **Copilot key**[10]

**Smart card reader** offered on 15" in US & Canada only

**USB-C® and Thunderbolt™ 4** to connect to external monitors

### Surface Laptop 6 for Business

Microsoft Surface

# Inking experiences that empower faculty and students

## Microsoft Surface and Surface Pen* add visual and tactile dimensions to the digital teaching and learning experience.

### Write and search naturally

Faculty can mark up papers, whiteboard during classes, or represent equations visually while students take notes, write prompts in Microsoft Copilot[1] for research or help editing, or sketch out ideas in the way that works best for them.

### Premium tactile experiences

Digital ink feels like pen on paper in handwriting that automatically converts to searchable text. Describe or draw a vision with text in Cocreator[2] in Microsoft Paint and watch it generate your vision.

### A paperless world

Digital pens on select devices mean you can take notes and mark up documents on your device instead of printing—saving paper and ink or toner.

### A pioneering form factor

Surface originated the 2-in-1 category to provide greater flexibility and situational adaptability for different teaching styles and professional settings, enabling fluid transitions from typing to inking and back.

*Sold separately. [1]Microsoft 365 Copilot sold separately and requires a qualifying volume license or subscription. Microsoft 365 Copilot | Microsoft 365. Eligible Microsoft 365 license and/or M365 Copilot license required for some features. US government cloud customers and students under age 18 aren't yet eligible to access Microsoft Copilot Chat. [2]Only available on Microsoft Surface Copilot+ PC devices

# Leadership and administration

## Managing institutional business

### Challenges

Leadership and administrators face unique hurdles every day, including:

- Accessing student information from anywhere
- Managing teams of admissions officers, department leaders, and others
- Coordinating with faculty leadership to determine the best programs for students
- Documenting and storing student information securely

### Solution

To manage effectively, leadership and administrators use **Surface Laptop** devices for their:

- Powerful processors to run academic software and new AI experiences without sacrificing mobility
- Long-lasting battery to support mobility
- Surface Studio Camera and AI-powered Windows Studio effects to collaborate effectively with faculty and staff
- Enterprise-grade protection for sensitive institutional data

Choice of **Intel® Core™ Ultra (Series 2)** or **Snapdragon X Series** processors, with 40-48 TOPS on the NPU

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Copilot+PC

## Surface Laptop for Business

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**USB-C® and Thunderbolt™ 4** to connect to external monitors

## Surface Laptop 6 for Business

# STEM faculty and researchers

Pursuing advanced studies and research

## Challenges

STEM faculty (i.e. Engineering, Math, Architecture) and researchers face unique hurdles including:

- Performing advanced design work, data analytics, and research on specialty topics
- Collaborating on long-term projects or papers for academic publications
- Developing, managing, and tracking patent applications for original research
- Communicating funding needs to university and government sponsors

## Solution

To accelerate learning and research, STEM faculty use **Surface Laptop Studio** devices that:

- Handles the compute demands of the sophisticated software (AutoCAD®, Dassault SOLIDWORKS™ and more*) and complex data models
- Provides versatile modes to accommodate various work scenarios
- Easily connects them to teammates
- Seamlessly plugs into their existing displays and hardware

**13th Gen Intel® Core™ processors built on the Intel® Evo™** delivering over 2x the power

**Instant On and Windows Hello facial recognition**

**Multitask with up to 64GB of system RAM** and ultra-fast SSDs with up to 2TB of storage

**Studio Camera** with wide field of view and AI-powered Automatic Framing and Eye Contact correction

**Surface Slim Pen** (magnetically stores and charges beneath the keyboard)

**2 USB-C® ports with Thunderbolt™ 4**

**Surface Laptop Studio 2 for Business**

**Laptop mode** *(top)*, **Stage mode** *(middle)*, **Studio mode** *(bottom)*

# Collaborative teams

Working together for greater knowledge

## Challenges

Faculty, researchers, and administrators face teamwork challenges including:

- Virtual meetings for academic planning, budget discussions, and hiring decisions
- Collaborating on advanced research and academic programs
- Enabling faculty and students to coordinate research with other academic and research institutions

## Solution

To work more effectively, virtual teams use a **Surface Hub** device for its:

- Large, high-resolution screen (85-inch and 50-inch models)
- Microsoft Teams-certified meetings platform
- High-end cameras, optimized microphones, and quality speakers
- Pen, inking, and whiteboard capabilities
- Lightweight and mobile (with stand and battery[2])

**Collaborative canvas and meetings device certified for Microsoft Teams**

**Microsoft Teams Rooms** on Windows

**Surface Hub Smart Camera** for a vibrant, dynamic view of in-room interactions

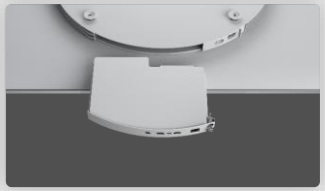
**Surface Hub Pen**


**Hub 3 85”**

*Stands sold separately


**Hub 3 50”**

## Surface Hub 3 for Business



Already have a Surface Hub 2S?

Upgrade with a **Surface Hub 3 Compute Cartridge**[3]

# Surface portfolio

## 2-in-1s

Versatile Tablet + Laptop devices that provide mobile productivity for people on the go.

**Best for:** Faculty, staff, and students

## Laptops

All the power of a static desktop in a sleek, modern form factors built for hybrid and remote faculty and staff.

**Best for:** Faculty, leadership, administrators, researchers

## Large screens

Devices that revolutionized a new category of computing focused on flexibility, collaboration, and mobility.

**Best for:** Leadership, researchers, collaborative spaces

### Pro, a Copilot+ PC

Lightning-fast speeds and **AI accelerated power** in an ultra-flexible design

### Pro 10

Get **tablet flexibility and laptop performance** in the iconic Surface 2-in-1 form factor

### Go 4

The **smallest, lightest Surface** with touch and ink capacitive PixelSense™ display

### Laptop, a Copilot+ PC

**Next-generation AI capabilities** in an exceptionally performant ultralight laptop

### Laptop 6

Sleek, lightweight, touchscreen laptop with the **style, speed, and performance** to do it all

### Laptop Studio 2

**Powerful** laptop delivers speed, graphics and versatility to run business-critical applications

### Laptop Go 3

**Exceptional value** for the style, performance, and battery life expected from Surface


### Hub 3

Enable teamwork anywhere with this Microsoft Teams-certified **meetings platform and modern collaborative canvas**

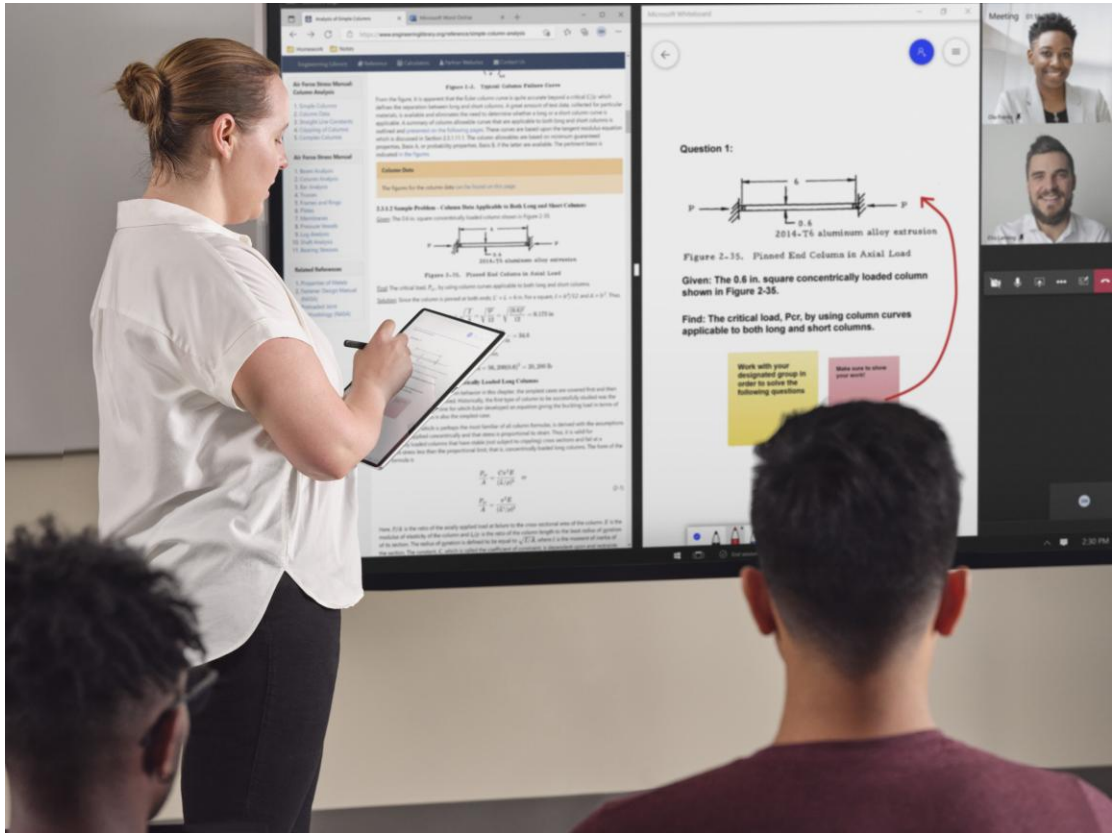
*Images not to scale*

Microsoft Surface

# Surface Copilot+ PCs in Education deliver next-level experiences

## Safeguard critical data with powerful Windows security

Shield institutional information and privacy with **Secured-core PC protection, Microsoft Pluton, and granular IT control** across data, apps, and AI. Copilot+ PCs include a Pluton security processor to provide the highest level of Windows PC protection. Designed by Microsoft, Pluton is integrated into the processor to deliver built-in, next-generation security. Pluton receives its firmware and feature updates directly via Windows Update.




## Make a bigger impact with all-day performance

Surface Copilot+ PCs deliver higher performance with up to 20 hours of battery life[1], the longest on any Surface. And with **a choice of Intel® Core™ Ultra (Series 2) or Snapdragon X Series processors** and a blazing-fast CPU, Surface Copilot+ PCs can help you drive new levels of speed and efficiency.

## Be more productive with cutting-edge AI capabilities

Take advantage of groundbreaking NPU-powered AI features like **Windows Studio Effects** and **Live Captions with live translations into English**[2] running directly on Copilot+ PCs to help instructors, staff, and students communicate effectively and unlock new possibilities in teaching, learning, and research. Surface Copilot+ PCs enable faculty and students to engage with Microsoft Copilot in ways that are natural and intuitive through the keyboard with a Copilot key[3], pen, touch, and voice.

## Create an institution that's future-ready

Gain an AI advantage by choosing Surface Copilot+ PCs for their versatile designs, choice of silicon, and innovation across hardware and software. With powerful NPU processors, Copilot+ PCs have hardware that will enable your faculty, staff, and students to take advantage of smarter current and future AI models and enable advanced reasoning at the edge to support AI capabilities, which is not possible on a traditional PC.

[1] Surface Laptop (7th edition) get up to 20 hours local video playback. Battery life varies significantly based on device configuration, usage, network and feature configuration, signal strength, settings, and other factors. See aka.ms/SurfaceBatteryPerformance for details. [2]Currently supports translation for video and audio subtitles into English from 40+ languages. On devices with Intel Core Ultra, Live Captions requires update continuing to roll out through early 2025. See aka.ms/copilotpluspcs. [3]Copilot key feature availability varies by market, see aka.ms/keysupport.

Microsoft Surface

# Surface + ARM deliver groundbreaking educational experiences


Copilot+PC

**Boost productivity with Copilot+ PCs featuring the latest Qualcomm® Snapdragon® X series processors**

**NPU with 45 TOPS**
for industry-leading AI

**All-day battery life**[1]

**Microsoft Pluton**
built into processor
for chip-level security

## Peak performance with ARM

Surface devices with **Snapdragon® X Elite and Plus processors** deliver fast startup, **exceptional battery life**[1], and blazing-fast performance to handle demanding tasks while remaining energy-efficient and reliable—even while unplugged.

## Productivity with advanced AI

Surface Copilot+ PCs feature an industry-leading **Qualcomm Hexagon™ NPU with 45 TOPS**. Leap ahead with groundbreaking AI features running directly on the device, such as **Live Captions and real-time translation** from 44 languages into English, helping instructors, staff, and students collaborate seamlessly and unlock new possibilities in teaching, learning, and research.

## Robust hardware-based security

Strengthen security with the **Microsoft Pluton security processor** and Trusted Platform Module (TPM) 2.0. Zero-trust principles are designed into every layer of our chip-to-cloud security including Windows Hello Enhanced Sign-in Security (ESS), enabled by default to protect biometric data.

## Versatile app ecosystem

ARM-based Surface devices support a wide range of education applications natively and through optimized emulation. Microsoft partners with 300+ developers to optimize apps on ARM.
Key productivity, creativity, security, and entertainment apps perform seamlessly. The new emulation engine, Prism, helps emulated apps run faster than native apps on older Surface models. Microsoft continues to invest in ARM and app compatibility through programs like App Assure.

## Efficient management with familiar tools

Manage ARM-based Surface devices using **Microsoft Intune** or **Microsoft Endpoint Configuration Manager**. Zero-touch **Autopilot** provisioning and modern deployment workflows simplify the device lifecycle.

[1] Battery life varies significantly based on device configuration, usage, network and feature configuration, signal strength, settings, and other factors. See aka.ms/SurfaceBatteryPerformance for details.

Microsoft Surface

# Expand what's possible at your institution

Find information on Surface devices, deployment, and getting your team up to speed.

**See the value Surface can offer:**

- Surface TCO Calculator

**Find the right devices for your institution:**

- Explore Surface
- Contact your Microsoft account manager or partner

**Roll out Microsoft Office 365 and Teams:**

- Get started with Office 365 for free
- Explore resources and best practices for remote learning with Microsoft Teams

**Explore training and resources:**

- Browse free training through the Microsoft Educator Center
- Get started with free AI tools from Microsoft Education

Microsoft Surface

# Thank you

Let’s connect further on next steps.