

Surface PCs powered by ARM

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



Experience unmatched performance with Surface and ARM

Surface devices with Snapdragon X Elite and Plus processors deliver fast startup, exceptional battery life, and blazing-fast performance to handle demanding tasks while remaining energy-efficient and reliable.

Turbocharge productivity with advanced AI

Copilot+ PCs feature an industry-leading Qualcomm Hexagon™ NPU driving up to 45 TOPS. Leap ahead with groundbreaking AI features running directly on the device, helping employees collaborate seamlessly, communicate effectively, and get more done in a day.

45 TOPS
for industry-leading AI

4.3 GHz
dual-core boost

**All-day
battery life¹**

Advanced System-on-Chip (SoC) design

Qualcomm's SoC architecture integrates most computer components into a single chip, boosting performance while enabling thinner, lighter devices with enhanced battery life and cutting-edge technology.

Versatile app ecosystem

ARM-based Surface devices support a wide range of 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.

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.

Surface Copilot+ PCs use ARM processors to deliver groundbreaking experiences

Snapdragon® X Elite and Plus processors drive new levels of speed and efficiency.

Meet challenges confidently with a blazing-fast CPU and breakthrough NPU, integrated in a highly efficient design for all-day productivity.



Provide uninterrupted performance with exceptionally long battery life.¹

Microsoft Pluton technology enables future security features to be deployed via Windows Update.

A legacy of innovation

Surface and ARM's partnership began with the Surface RT in 2012. Microsoft has continually invested in evolving Windows on ARM, enhancing performance, compatibility, and capabilities. These investments include developing native ARM versions of Microsoft Edge, Office, and other key applications. The introduction of 64-bit app support, ARM64EC for hybrid app development, and native developer tools like Visual Studio support a robust technology ecosystem. These efforts reflect Microsoft's long-term commitment to silicon diversity and customer choice.

2012: Launch of Surface RT, the first ARM-based Windows Surface device.

2019: Introduction of Surface Pro X with Qualcomm Snapdragon processor.

2020: Support for 64-bit app emulation on Windows 10 ARM.

2021: Windows 11 enhancements with ARM64EC and native ARM toolchain.

2023: Launch of Surface Pro 9 with 5G connectivity and advanced AI features.

2024: Launch of Copilot+ PCs featuring Snapdragon X series processors driving industry-leading AI experiences.

Discover the latest ARM-powered Copilot+ PC Surface devices.

microsoft.com/surface



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.