

 Windows 11

Windows 11 Pro

Scopri Il bello, la sicurezza ed i vantaggi

About Me

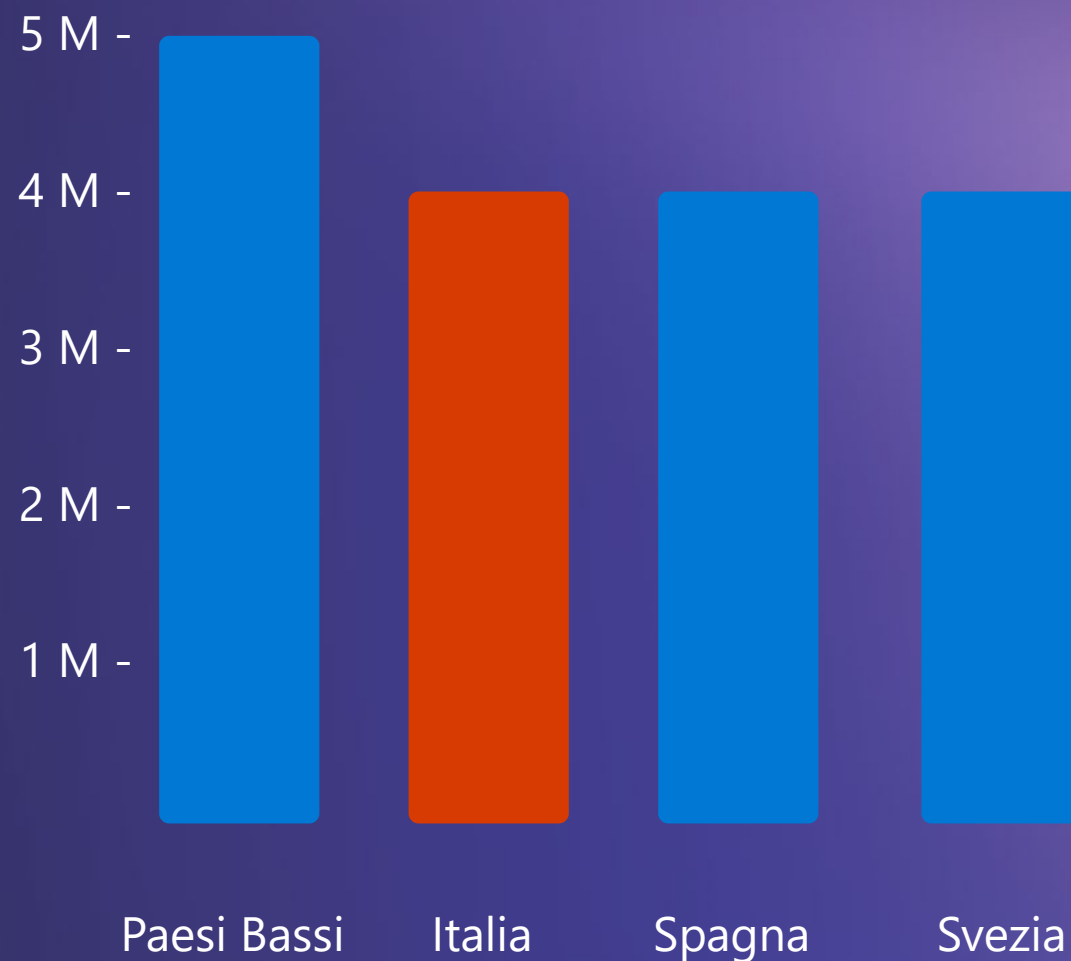
- Co-Owner @ Inside Technologies
- Senior Consultant & Architect
- Microsoft MVP Cloud Datacenter Management
- Microsoft Azure Insider
- Parallels VIPP
- Community Lead of WindowServer.it



Ma tanto per quello che devo farci....

- Il 0,31% dei PC ha ancora su Windows XP
- Il 2% dei PC ha ancora su Windows 7
- Gli utenti non conoscono molte volte le vere funzioni dei nuovi OS
- I titolari delle PMI non capiscono perchè passare a Windows 11

Ma tanto per quello che devo farci...parte 2



Moltissimi (**4 milioni in Italia**) device operano ancora con vecchi sistemi operativi e hardware datato. Questi dispositivi non sono pronti per la nuova realtà del lavoro ibrido, che richiede funzionalità di sicurezza più avanzate, nonché i componenti giusti

End of Support

- Windows 7 è fuori supporto da ormai 5 anni
- Windows 8.1 è fuori supporto dal 2023
- Windows 10 22H2 sarà fuori supporto dal 14 ottobre

End of Support Server

- Windows Server 2012 e 2012 R2 sono fuori supporto da ottobre 2023

Cosa significa End of Support?

- Il software non viene più considerato nel ciclo di rilascio patch
- Un OS non aggiornato rischia di essere attaccato più facilmente
- Un OS non aggiornato manda fuori compliance GDPR
- L'OS nel lungo periodo non viene più supportato dai vari SW / driver

Cosa significa End of Support?

- 3.541 attacchi informatici nel 2024 (+27%) nel mondo
- L'Italia è il paese che ha subito il 10% degli attacchi globali
- L'Italia è il quinto paese al mondo più colpito
- Nel 78% dei casi, l'attacco è catastrofico per l'azienda
- Chi riparte, subisce un danno da centinaia di migliaia di euro

Le sfide del lavoro ibrido



Gestione

La gestione dei device, che sono spesso fuori dall'azienda, diventa complessa e serve una programmazione adeguata



Carico cognitivo

Le necessità aumentano e sono spesso più a carico dell'utente finale



Comunicazione

La necessità di comunicazione aumenta e con essa l'esigenza di una infrastruttura forte e concreta



Sicurezza

Le misure di sicurezza vanno aumentate perché gli utenti in smart working sono più esposti.

Adaptive Device Requirements

Advanced Features

- USB-C
- WiFi 7 / LTE / 5G
- NVMe
- High quality audio
- High quality video



Che impatto hanno questi benefici sulle aziende?

- Maggiore soddisfazione degli amministratori IT e degli utenti finali
- Integrazione con il cloud, Microsoft ecosystem, Azure e altre soluzioni
- Maggiore fiducia degli utenti nel sistema di sicurezza contro gli attacchi informatici
- I lavoratori mantengono le loro performance lavorative
- Nuove funzionalità che minimizzano i costi dei nuovi device
- Compliance con i nuovi standard di sicurezza
- Migliora lo smart working

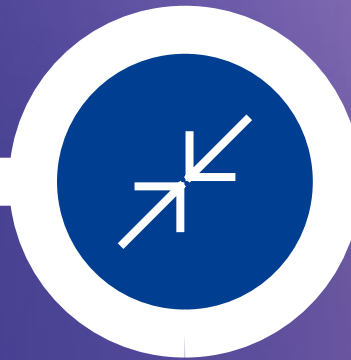
Zero Trust Pillar

Verifica in modo esplicito



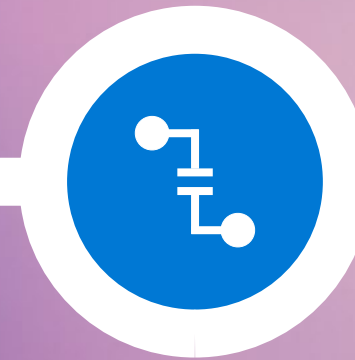
Autentica e autorizza sempre in base a tutti i punti dati disponibili, tra cui identità utente, posizione, integrità del dispositivo, servizio o carico di lavoro, classificazione dei dati e anomalie.

Utilizzare l'accesso con privilegi minimi



Limita l'accesso degli utenti con l'accesso just-in-time e just-enough (JIT/JEA), criteri adattivi basati sul rischio e protezione dei dati per proteggere sia i dati che la produttività.

Presumi violazione



Operare in modo da ridurre al minimo il raggio di esplosione e l'accesso ai segmenti. Verifica la crittografia end-to-end e utilizza l'analisi per ottenere visibilità, guidare il rilevamento delle minacce e migliorare le difese

Built on a foundation of Windows 11 security



Personal Data
Encryption



Windows Hello VSM



Safe language across
operating system



Memory integrity



Move tool-tip APIs from
kernel to user mode



WDigest SSO
removed



Additional hardware
kernel protection



Common Log File Systems
run from trusted source



Delegated Managed
Service Account



BitLocker drive and
device encryption



Windows Hello Enhanced
Sign-in Security



DPAPI moved
from 3DES to AES



Windows protected
print



App Control for Business



Hypervisor-enforced
paging translation

Secure Future Initiative

Secure by design · Secure by default · Secure operations

Security culture and governance



Protect tenants
and isolate
production systems



Protect
identities
and secrets



Protect
networks



Protect
engineering
systems



Monitor
and detect
threats



Accelerate
response and
remediation

Paved path

Continuous improvement

Standards

Understanding Secured-core PC protection and Microsoft Pluton

Secured-core PCs and Pluton are two distinct, complementary Windows security offerings that can be used together for more comprehensive protection.

- **Copilot+ PCs are Secured-core PCs** that include Pluton for additional protection and flexibility.
- **Secured-core PCs are computers** with layers of hardware-backed safeguards enabled by default for the highest level of Windows protection across firmware, OS, identities, and data.
- **Pluton is a security processor** that protects credentials and other sensitive data with hardware root-of-trust directly integrated into the silicon of the CPU. It receives updates from Windows Update.
- **Pluton can be used as a TPM or with a discrete TPM.**

Enhanced Copilot+ PC hardware security

Secured-core PC



Advanced security enabled by default

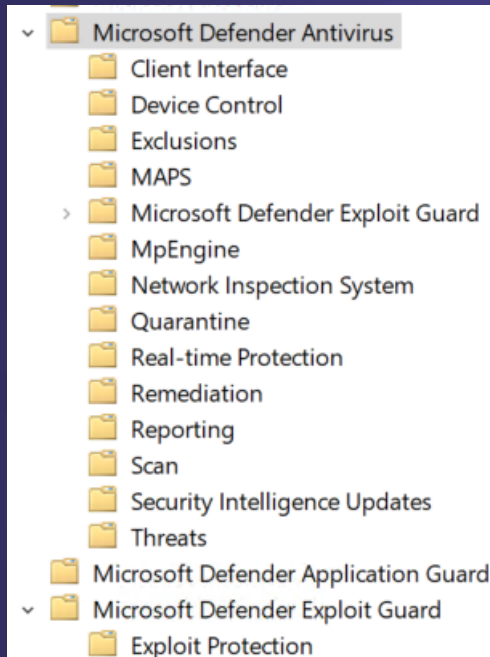
AND

Pluton

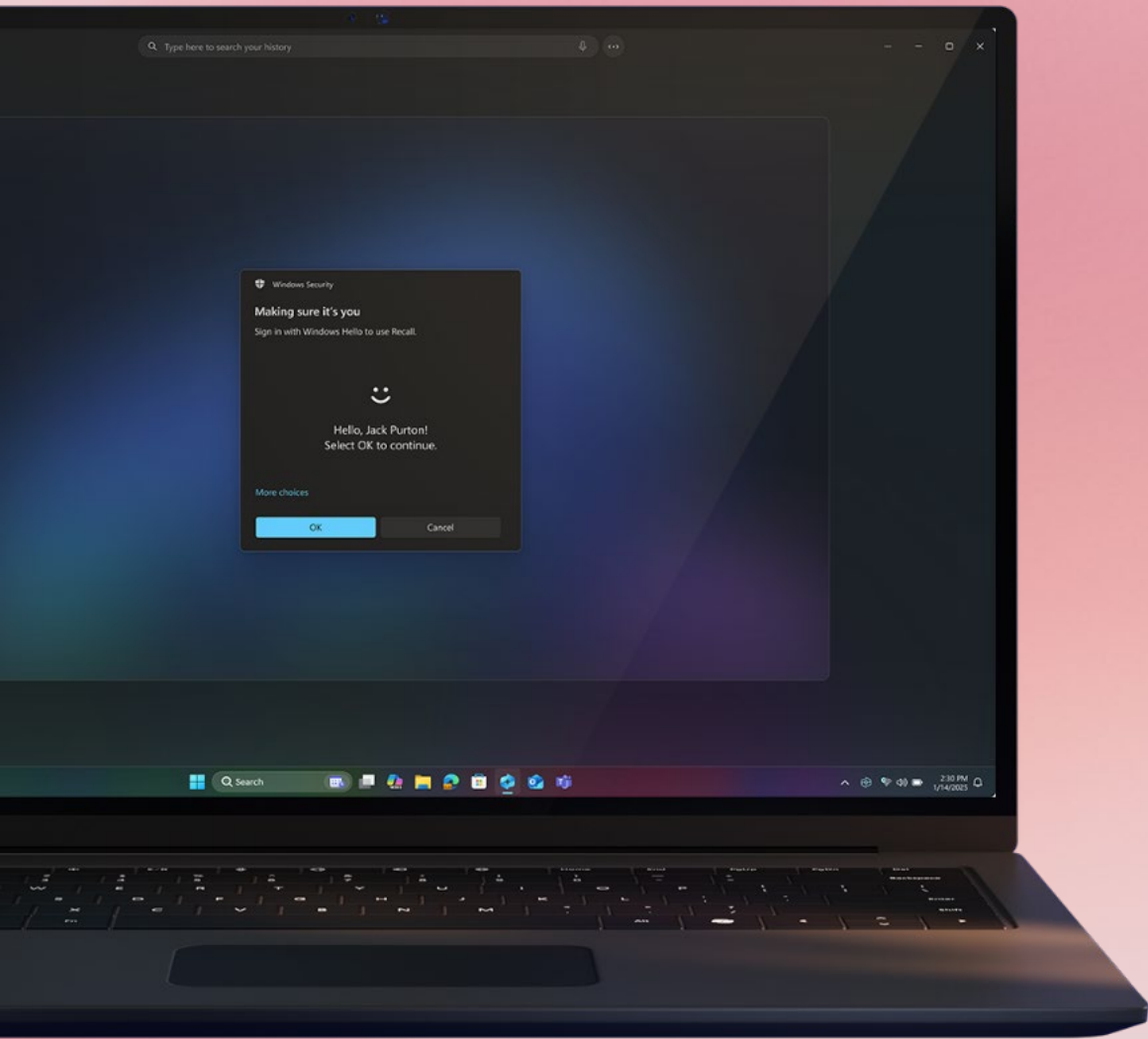


OS hardware root-of-trust

Security Feature in Windows 11 via GPO!

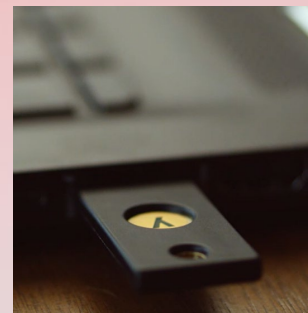


Action	User	Name	Condition	Exceptions
Allow	BUILTIN\Administrators	(Default Rule) All files	Path	
Allow	Everyone	(Default Rule) All files located in the Pro...	Path	
Allow	Everyone	(Default Rule) All files located in the Win...	Path	
Allow	Everyone	Allow Microsoft	Publisher	
Deny	Everyone	Browser Chrome	Publisher	
Deny	Everyone	Browser Opera	Publisher	
Deny	Everyone	Mozilla Apps	Publisher	
Deny	Everyone	Portable Apps	Publisher	

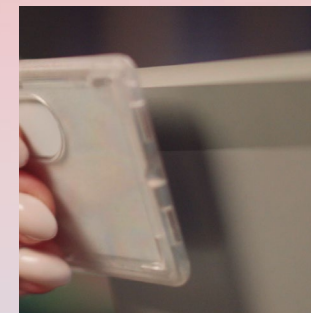


Windows Hello Enhanced Sign-in Security (ESS)

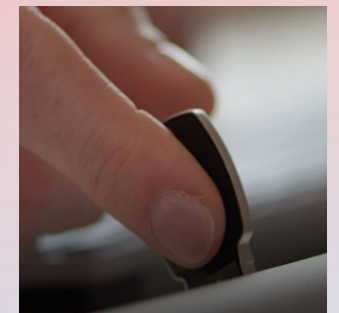
Enabled by default on most Copilot+ PCs, Windows Hello ESS¹ enforces secure passwordless authentication by removing password entry and requiring biometric sign-in with Windows Hello for Business.



USB/NFC Key



NFC & BLE



USB Biometric Key

¹ Requires pre-installed specialized hardware, drivers, and firmware. [Learn more about Windows Hello ESS.](#)



Windows hotpatch

Hotpatch updates are Monthly B release security updates that install and take effect behind the scenes with minimal device restarts. It's an easy way to stay productive and security compliant.

A Windows 11 Enterprise feature, Windows hotpatch is an extension of Windows Update and requires Autopatch.¹ Devices must be enrolled in the Autopatch quality update policy.

Hotpatch policies can be managed with a configuration service provider (CSP) and Microsoft Intune or Group Policy and an on-premises management solution.

In addition to simplifying updates, the hotpatch quality update report provides a per policy level view of the current update status of devices.

Road to Windows 11



Windows 11

- Windows 11 24H2 è la build attuale
- Windows 11 25H2 è in fase di rollout in queste settimane

Set the pace with faster performance

Windows 11 Pro PCs are where speed meets endurance, with all-day battery life and performance to complete demanding workloads 42% faster on average.^{1,2}

Perform
like a pro

Personalize
for every
workstyle

Work
sustainably,
unplug longer



¹ Battery life varies significantly by device and with settings, usage and other factors.

² Results in comparison to Windows 10 PCs. Improve your day-to-day experience with Windows 11 Pro laptops, Principled Technologies, April 2023. Report commissioned by Microsoft.

Set the pace with faster performance

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¹ Battery life varies significantly by device and with settings, usage and other factors. ² Results in comparison to Windows 10 PCs. Improve your day-to-day experience with Windows 11 Pro laptops, Principled Technologies, April 2023. Report commissioned by Microsoft. ³ Hardware dependent ⁴ Bluetooth required; iPhone only with iOS14 or later required; link to Windows app available in the Apple app Store. iOS does not support group messaging and multimedia file sharing in messaging ⁵ Requires internet connection and online availability of electrical grid data.

KEY CAPABILITIES

BENEFITS

FEATURES

Perform
like a pro

You can work exceptionally well anywhere with speed, flexibility, and style on the latest Windows 11 Pro devices including PCs optimized for AI with built-in NPU.

- NPU on select devices
- High-quality camera, mic, and display
- Enhanced digital ink, touch, and voice³
- Supports multiple 4K monitors

Personalize
for every
workstyle

There's a Windows PC for every preference and workstyle, from sleek 2-in-1 devices to powerful desktops, all compatible with many leading applications and accessories.

- Microsoft Phone Link⁴
- Bluetooth Low Energy (LE) Audio support³
- Supports multiple 4K monitors
- High-quality camera, mic, and display

Work
sustainably,
unplug longer

Windows 11 Pro devices support more sustainable workstyles with the freedom of all day battery life¹ plus smart updates and recommendations that can help reduce your device's carbon footprint and save energy.

- Windows carbon aware updates⁵
- Energy saving recommendations in system settings

SUPERCHARGED EFFICIENCY SHIELDED BY ENTERPRISE DATA PROTECTION¹



Microsoft Copilot

Your AI assistant at work

When employees are signed in through their work account (Microsoft Entra ID) Copilot provides enterprise data protection.¹ With EDP, your data is not used to train IT models. Copilot is subject to your IT access controls and policies; prompts and responses are processed within your Microsoft 365 tenant, logged, and available for audit.

[Learn more](#)



Ask me anything

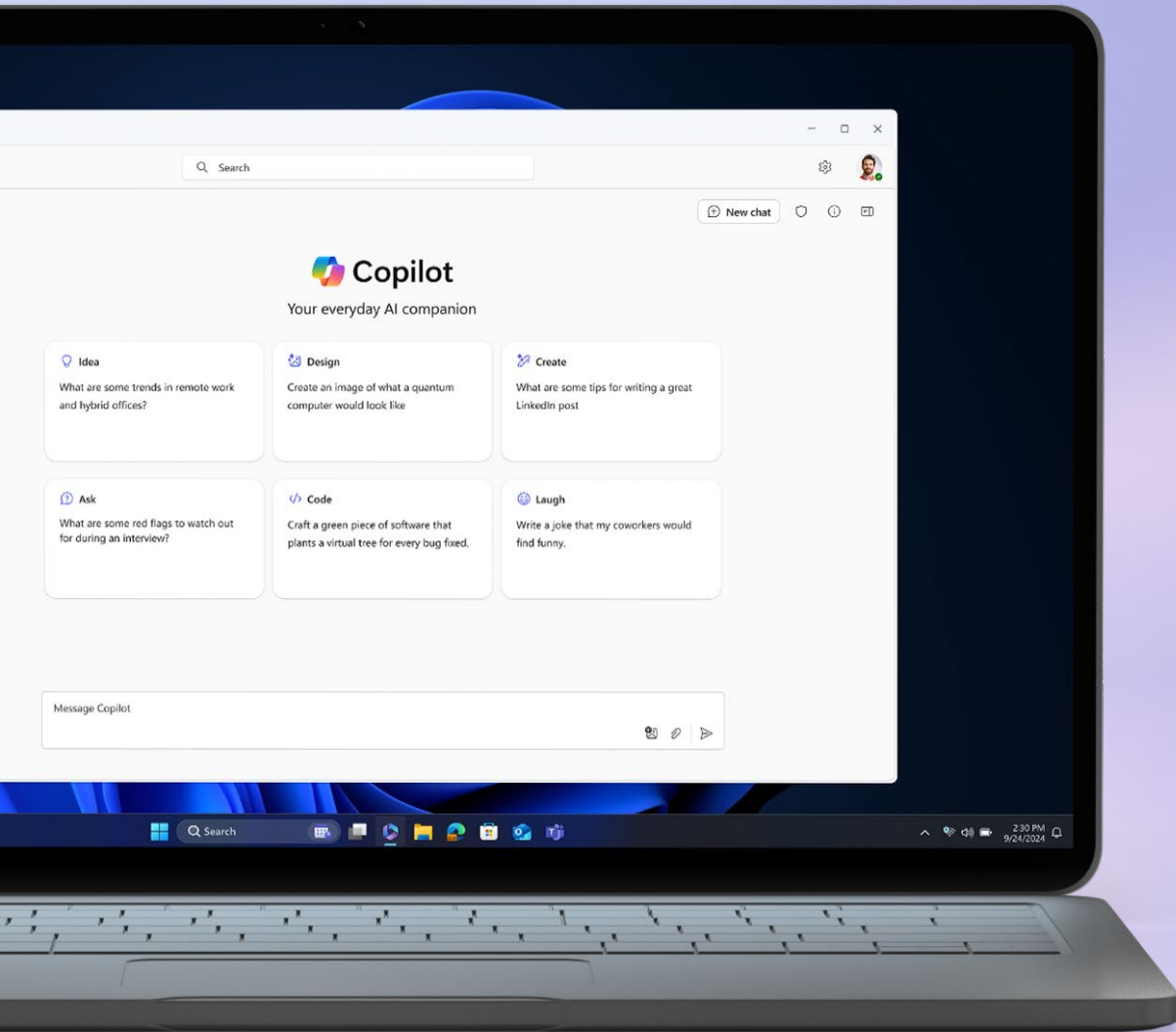
Organize data on this report

Suggest ideas for company outings

Create content with Copilot

Eco-conscious materials durable and aesthetic
New sustainable solutions for the future

¹ Requires eligible Microsoft 365 license.



Microsoft 365 Copilot chat

For commercial customers, Copilot is available through the Microsoft 365 app¹ and Microsoft Edge for Business:

- Microsoft 365 Copilot chat² comes with eligible Microsoft 365 licenses and enables content generation, web searches, and enterprise data protection when signed in with Entra ID.³ Copilot Chat be managed using IT controls for admins and is available as an app that can be pinned to your taskbar.
- Organizations with Microsoft 365 Copilot⁴ have additional capabilities. For example, they can search corporate data, recap meetings, prioritize email and tasks, and work with Copilot in apps like Word, Excel, Outlook, and Teams. If you have Microsoft 365 Copilot, you can toggle between work and web experiences in your Microsoft 365 app.

1. Sold separately.
2. Requires eligible Microsoft 365 license. File upload and image generation limits apply.
3. Requires eligible Microsoft 365 license.
4. Per user license sold separately; also requires eligible Microsoft 365 plan.

Comparing Microsoft Copilot and Microsoft 365 Copilot



Copilot

Search web data, summarize documents, create and revise content. Sign in with Entra ID for enterprise data protection.¹



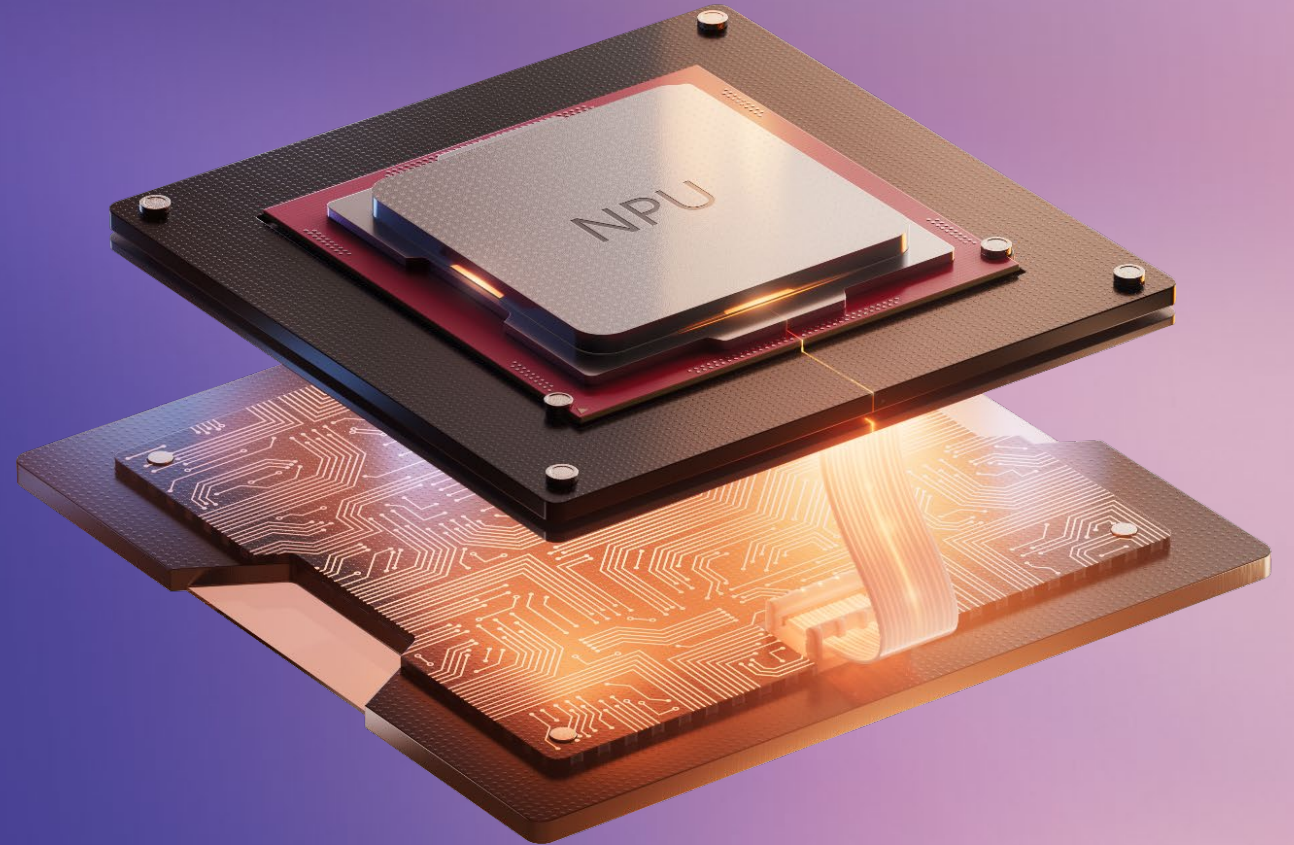
Microsoft 365 Copilot

Work with Copilot across corporate data, Office apps and documents, email, and Teams.²

¹ Requires eligible Microsoft 365 license.

² Per user license sold separately; also requires eligible Microsoft 365 plan

Copilot + PC





Copilot+ PC

Business-ready AI for real-world results

The new AI foundation for work

The most performant, intelligent, and secure Windows PCs

Optimized for AI

Powers unique AI experiences and all-day battery life^{1,2}

Business-ready

Substantial ROI projected through increased workforce and IT efficiency and reduced security risk³

¹ Battery life varies significantly by device and with settings, usage and other factors. See [Copilot+ PC claims](#)

² Copilot+ PC experiences vary by device and region and may require updates continuing to roll out through 2025; timing varies. See [Copilot+ PCs FAQ](#).

³ New Tech: The Projected Total Economic Impact™ of Microsoft Copilot+ PCs. Microsoft-commissioned study by Forrester Consulting, July 2025. Projected benefits for a single composite organization that has US\$1 billion annual revenue and 2,000 employees with 80% using Copilot+ PCs. In comparison to a mixed environment of conventional Windows 11 and Windows 10 PCs.

Expanded capabilities of Copilot+ PCs

	All Windows 11 PCs include	Additional features with Copilot+ PCs
Hardware and performance	CPU and GPU	CPU, GPU, and 40+ TOPS NPU for faster performance and richer AI
Search	<ul style="list-style-type: none">Windows searchFile ExplorerMicrosoft 365 Copilot	<ul style="list-style-type: none">Improved Windows search (semantic search)Recall (preview)Microsoft 365 Copilot
AI-enhanced productivity features	<ul style="list-style-type: none">Image, text, voice recognitionIntelligent suggestions in File Explorer and Start menu	<ul style="list-style-type: none">Click to DoCocreator in Microsoft PaintGenerative erase in PhotosRelighting in Photos for 3D lighting effectsSnipping tool image exportNotepad AI enhancementAI agents (coming soon)Summarize in Outlook (coming soon)
Videoconferencing	<ul style="list-style-type: none">Background blur and noise canceling	<ul style="list-style-type: none">Windows Studio Effects with enhanced background blur and noise canceling, automatic framing, and eye contact correctionTeams Super Resolution (coming soon)
Accessibility	<ul style="list-style-type: none">Windows NarratorVoice access and typingLive Captions in multiple languages	<ul style="list-style-type: none">Windows Narrator with complex image descriptionVoice access with conversational commandsLive Captions with real-time translation
Personalization	Settings app	Agent in Settings
Security	<ul style="list-style-type: none">Admin protectionApplication and driver controlDevice health attestationEncryption and data protectionHardware root-of-trustNetwork securityPasskeys and token protectionPasswordless sign-inVirus and threat protection	<ul style="list-style-type: none">Secured-core PC protection (advanced threat protection down to the firmware level)Microsoft Pluton security processorWindows Hello enhanced sign-in security (ESS)

Innovating a new class of PC

Microsoft teamed up with silicon and OEM partners to revolutionize computing with a new class of PC. Highlights:

- Purpose-built for advanced AI, with CPU, GPU, and NPU architecture
- Delivers the latest AI innovation from Windows
- Most secure Windows PCs ever
- Fastest performance on Windows and ultralong battery life

All Copilot+ PCs offer advanced AI powered by NPU, CPU, and GPU architecture, fast performance, and long battery life. Additional highlights include:

Silicon partners	Processor series	
Qualcomm	Snapdragon X Elite /X Plus	<ul style="list-style-type: none">• Exceptionally long battery life and energy-efficient, silent performance• Broad compatibility with native Arm64 versions of Microsoft 365 apps, wide availability of apps from multiple vendors, and optimized Prism emulation for smooth performance of non-native x86 software
Intel	Core Ultra 200V (with vPro)	<ul style="list-style-type: none">• Intel threat-detection technology and management features built in• Compatibility with most existing Windows business applications
AMD	Ryzen AI 300 Series	<ul style="list-style-type: none">• Exceptional multicore performance for demanding content creation workloads like 3D image rendering• Broad application compatibility

Copilot+ PC baseline requirements

Productivity

- Windows 11 Pro OS
- All productivity features in Windows 11, plus Copilot+ PC exclusive features like Click to Do, Live Captions with translation, and improved Windows search

Security & management

- Secured-core PC
- Microsoft Pluton
- Windows Hello enhanced sign-in security
- Manage with existing infrastructure, including Microsoft Intune

NPU

- 40+ TOPs peak performance

Memory

- 16 GB


Storage

- 256 GB SSD

Windows is the foundation for a flexible, AI-enabled technology stack tailored for unique business needs



 ISV and build your own

 Microsoft 365 Copilot

 Windows

 Systems

 Silicon

Semantic search

On Copilot+ PCs, semantic search enables people to retrieve documents and images and manage settings with a conversational description instead of a file name. This capability is based on semantic indexing, which uses AI models to understand the context and relationships between words and concepts.

For example, you can search for:

- “Chip set with NPU on a blue background” to find an image of a processor, even if the file name doesn’t include those words.
- “Recent ROI study on Copilot+ PC” to locate an analyst report, even if the title is unrelated.

Semantic search is integrated in Windows search,¹ File Explorer, Recall (preview),² and agent in Settings³ for natural language queries across Windows.

¹ [Improved Windows search](#) works with specific text, image, and document formats only; optimized for select languages (English, Chinese (Simplified), French, German, Japanese, and Spanish). [Learn more](#)

² [Recall \(preview\)](#) requires [Windows Hello Enhanced Sign-in Security](#). Coming to the European Economic Area later in 2025. Optimized for select languages (English, Chinese (Simplified), French, German, Japanese, and Spanish). Content-based and storage limitations apply. Enterprise license required for some [policy-enabled management controls](#). [Learn more](#)

³ Agent in Settings available now in most global markets on Copilot+ PCs with Snapdragon® X Series processors. Limited initially to English-language inputs. [Learn more](#)

⁴ [Click to Do](#) available image and text actions vary by device, region, language, and character set. Subscription required for some actions. [See Copilot+ PC FAQs](#).

⁵ [New Technology: The Projected Total Economic Impact™ of Microsoft Copilot+ PCs](#). Forrester Consulting study commissioned by Microsoft, July 2025. Projected benefits for a single composite organization that has US\$1 billion annual revenue and 2,000 employees with 80% using Copilot+ PCs within 3 years. In comparison to a mixed environment of conventional Windows 11 and Windows 10 PCs.

Power users expected to save up to

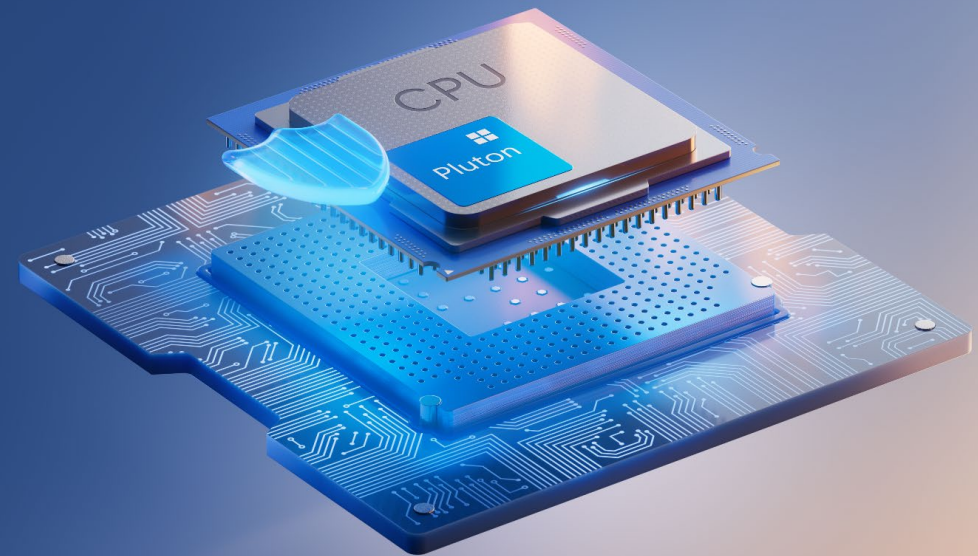
5 hours

weekly, with features like improved Windows search and Click to Do.⁴



The most advanced Windows security including Microsoft Pluton

Copilot+ PCs provide the highest level of Windows security against evolving threats with Secured-core PC level protection and Microsoft Pluton.



Understanding Secured-core PC protection and Microsoft Pluton

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Enhanced Copilot+ PC hardware security

Secured-core PC



Advanced security
enabled by default

AND

Pluton



OS hardware
root-of-trust

Custom AI for operational efficiency

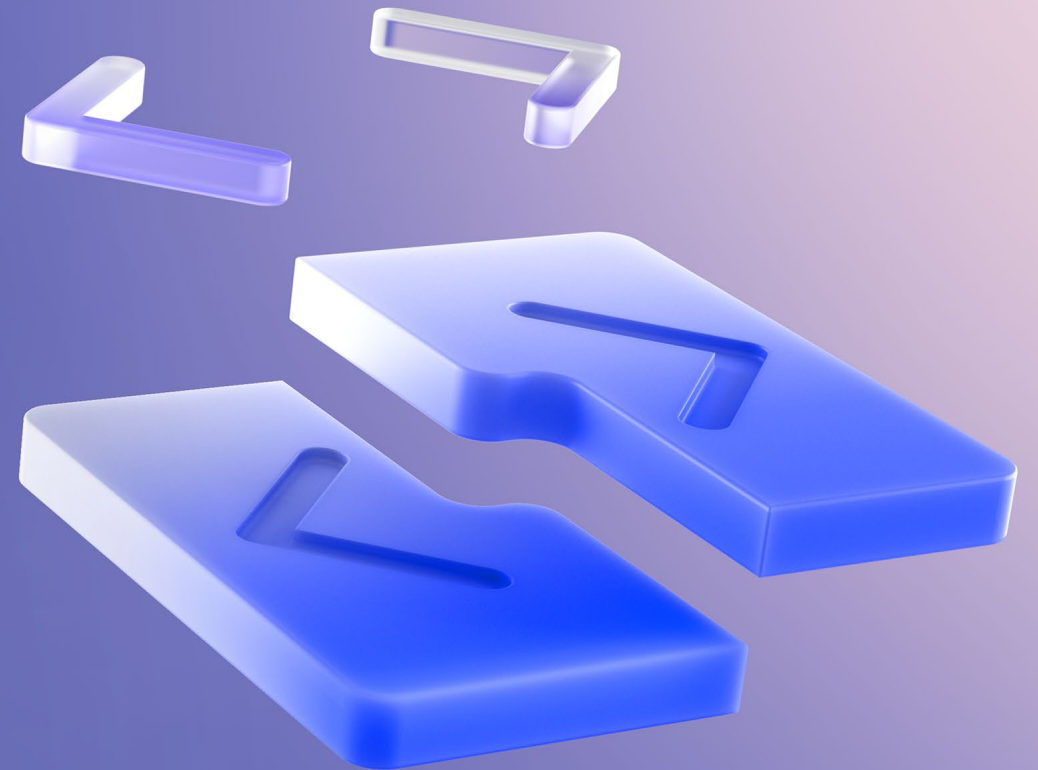
Increase agility with business-ready Copilot+ PCs offering granular IT controls, powerful data security, and custom AI solutions to drive new opportunities.

Adapt, innovate, and drive success

Whether you're an ISV or a developer of your own custom, in-house solutions, you can optimize efficiency and flexibility with Copilot+ PCs.

Save time and improve accuracy in mission-critical business operations with AI tailored for changing, industry-specific needs. Take advantage of:

- Windows AI Foundry for local AI models powered by the NPU
- Microsoft Copilot Studio for cloud-based agents



Take Away

- Iniziate oggi il piano di migrazione verso Windows 11
- Se siete obbligati a rimanere a Windows 10, adottate gli ESU
- I device Copilot +PC sono perfetti per migliorare la produttività

Resources

Commercial storybook →

Blog sites

[Microsoft 365 blog site](#)
[Microsoft security blog](#)
[Windows 11 IT Pro](#)
[Windows Insider](#)

Microsoft Learn

[What's new](#)
[Windows 11 Requirements](#)
[Plan for Windows 11](#)
[Prepare for Windows 11](#)
[Planning for Windows 11: best practices for organizations](#)
[Announcing the Windows Update for Business deployment service](#)
[Overview of Copilot](#)
[Windows 11 Assessment tool](#)

Windows 11 assets

[Windows 11 Pro messaging handbook](#)
[Next Gen PCs audience](#)
[Windows 11 Security Book](#)
[Windows 11 Security Guide](#)
[Compete - Windows 11 Pro](#)
[Demo hub content](#)

Microsoft.com

[Windows for business](#)
[Windows 11 Pro page](#)
[Windows 11 Enterprise page](#)

Relevant blog topics

[Tools to support Windows 11 deployment](#)
[App confidence: From our compatibility story to yours](#)
[Microsoft Endpoint Manager simplifies upgrades to Windows 11](#)
[Windows 11 & Windows 365](#)
[Enhanced data protection with Windows and Microsoft Copilot](#)
[Windows skilling snacks: bite-sized learning for IT pros - Microsoft Community Hub](#)
[Windows 11, version 24H2: What's new for IT pros, IT Pro Blog, Harjit Dhaliwal](#)
[Plan for Windows 10 EOS with Windows 11, Windows 365, and ESU](#)
[Bringing the full power of Copilot to more people and businesses](#)
[Microsoft 365 Copilot Wave 2: Pages, Python in Excel, and agents](#)

April 2025 blogs

[Copilot+ PCs are the most performant Windows PCs ever built, now with more AI features that empower you every day.](#) Navjot Virk
[Responsible AI and Trustworthy Innovation on Windows.](#) Chitra Gopalakrishnan
[AI innovations grounded in transparency and control.](#) Aria Hanson

Other resources

[Copilot+ PCs pitch deck](#)
[Annual Work Trend Index: The Frontier Firm is born, April 2025](#)
[Work Trend Index Annual Report: AI at Work is Here. Now comes the Hard Part, May 2024](#)
[Work Trend Index Report: What Can Copilot's Earliest Users Teach Us About Generative AI at Work?](#)
[Work Trend Index Report: Will AI Fix Work?](#)
[Microsoft Copilot Adoption Kit](#)
[LinkedIn: Windows IT pro](#)

Industry resources

[Forrester report: NTTEI \(New Tech: Total Economic Impact\) report on projected benefits for SMBs using Copilot+ PCs](#)
[IDC Report: Read the report "Understanding Employee Productivity and Satisfaction Benefits of Next-Generation AI PCs as You Plan Your Next Refresh".](#)
[IDC Executive Brief: The Refresh Imperative: The Value of Deploying New, More Secure, Generative AI Centric PCs Ahead of the Windows 10 End of Service.](#)
[Forrester Windows EOS Devices Calculator to help IT build business case](#)

Get started now

