# Windows Embedded 8 Industry for Enterprise

**The world today is increasingly empowered and connected.**
Customers demand personalized, seamless, and unique technology experiences with strict security and data privacy assurances. Workers want to be empowered by easy-to-use technology that will make them more productive and valuable. Today's business insight users must absorb information in real time and react quickly to emerging developments.

In order to help enterprises maintain a competitive edge, Microsoft extends the power of Windows 8 to industry devices to help businesses address today's most challenging business needs. Windows Embedded 8 Industry is a fixed and consistent platform that powers unique and modern industry devices and enables their users in innovative and powerful ways.

**Windows Embedded 8** is a trusted platform for the next generation of industry devices. These devices are line-of-business solutions optimized to extend the power of intelligent systems to transform data into lasting competitive advantage. Enterprises can delight their customers with intuitive device experiences and by using actionable intelligence uncovered by Windows Embedded 8 devices and systems. Learn more at **www.windowsembedded.com/we8industry**.

Windows Embedded 8 Industry is the Microsoft out-of-the-box solution for industry devices. It is part of the Windows Embedded 8 family that enables you to:

- **Standardize all devices in the enterprise on the Windows platform.** Make everything simpler with a single operating and development platform that is "trusted." It helps extend the power and intuitive experience of Windows 8 to specialized devices. Through Windows Embedded 8, you can invest in the future with a technology partner who is committed to their success.

- **Capitalize on the existing IT investment.** In fact, it can help lower cost of ownership by taking advantage of existing infrastructure if the devices are based on Windows Embedded 8. It can integrate new device experiences with other Microsoft assets, right out of the box. Streamlined management is possible because devices work smoothly alongside PCs and servers.

- **Customize device experiences for your users** by enabling intuitive, rich, and natural user interfaces flexibly across devices. You can tailor device experience to fit your unique business needs and deliver a targeted and consistent device experience to customers and employees.

- **Realize intelligent systems through Windows Embedded 8** by enabling faster decision-making across organizations by turning real-time data into actionable insights. Enterprise customers can empower their users by enabling them to stay connected to resources they need and make more strategic decisions with enhanced and powerful intelligence capabilities.

## Key Benefits

- Access IT systems and the cloud to keep devices connected to the information that matters most.

- Use the enhanced security technologies to protect your device, data, and network.

- Help secure your device from unintended interactions with advanced lockdown features.

- Manage the device alongside PCs and servers with Microsoft System Center.

- Deliver an immersive, natural user experience with multitouch.

- Take advantage of a fixed operating system that provides a high degree of cross-platform application compatibility.

- Run your existing Windows line-of-business applications or create a new experience with Windows 8 style apps.

- Easily implement retail peripherals with built-in plug-and-play capabilities.

- Improve mobility and access with new power management and wireless technologies.

## Windows Embedded 8 Industry
### Differentiating Features

- Deliver rich and powerful application experiences with Windows 8 style applications and desktop applications.

- Employ customizable Windows Embedded lockdown technologies to protect your device's configuration, ensuring all users get the desired high-quality experience.

- Extend the security, management, and reliability of Windows 8 to specialized devices.

Learn more about Windows Embedded 8 Industry at **www.windowsembedded.com/we8industry**.

**10 YEARS**

*Windows Embedded products are covered by an industry-leading 10-year support program **plus a product availability of 15 years.***

# Windows Embedded 8 Industry Features at a Glance

## Extending Business Intelligence

### Harness the Power of Business-Critical Data

Enable streaming data connection to intelligent information systems throughout the enterprise where the data can be translated into insights and actions to create further business value.

- Extend business intelligence by accessing business-critical data from **on-premises IT systems**.

- Ensure cloud connectivity to infrastructure services such as **Windows Azure Storage** and **SQL Azure Database** for a highly available, highly scalable, fault-tolerant data service.

### Access Enterprise Networks

Easily integrate industry devices with streamlined identity and access management tools.

- Use **Microsoft Active Directory** to help ensure identity-based access.

- Create **Microsoft Group Policy** for access management.

### Employ Enterprise Management Tools

Windows Embedded devices can be efficiently managed on enterprise IT infrastructure and from a single management solution.

- Use **System Center Configuration Manager** to manage embedded operating systems like any other IT asset.

## Trusted Platform

### Rest Assured with Trusted Technologies

Windows Embedded 8 is built with security, management, availability, and reliability in mind.

- **BitLocker** technologies help ensure data protection and hard disk encryption.

- **Trusted Boot and Measured Boot** add early malware protection and help guarantee that only the verified operating system image can boot.

- **Windows Defender** offers full antimalware resistance by design.

### Enable a Consistent Device User Experience with Windows Embedded Lockdown Features

Fully guarantee the intended device configuration and user experience every time.

- Ensure consistent touch interactions with the **Gesture Filter**.

- Protect the application and operating system by writing data to the abstraction layer using **Unified Write Filter**.

- **Keyboard Filter** protects a consistent user experience by blocking special key combinations on both physical and virtual keyboards.

- Suppress Windows system dialogs with the **Dialog Filter**.

- The **Hibernate-Once-Resume-Many** feature restarts devices the same way every time.

- **Application Launcher** allows devices to boot directly into a line-of-business application and allows users to access the desired device experience directly.

- Easily manage and configure lockdown technologies remotely with **Embedded Lockdown Manager**.

## Differentiated Devices

### Enable Multitouch Experience

Windows Embedded 8 devices enable a more natural user experience through fast, fluid, and responsive controls, supporting multipoint touch capabilities.

### Benefit from Distinctive Line-of-Business Applications

Windows Embedded 8 supports your existing Windows and new Windows 8 style applications.

- New **Windows 8 style applications** use the clean, modern design.

- Extend the value of your existing Windows line-of-business solutions through **application compatibility**.

### Benefit from a Wider Developer Ecosystem

Windows Embedded 8 Industry offers a fixed set of embedded-enabled features, which allows for a consistent and predictable platform.

### Harness Connectivity

Keep devices portable and connected to networks and business-critical data.

- New and improved connectivity options include **Near Field Communication, USB 3.0, Bluetooth LE,** and **Wi-Fi**.

- **Connected Standby** uses very low power when in idle state, helping to ensure a device remains connected to the Internet so applications are always current.

### Enjoy Improved Power Management

- Smart power management extends the usable life of the embedded device.

- Take advantage of more energy-efficient applications to reduce overall power consumption and improve on your green IT commitments.

### Plug-and-Play Peripheral Compatibility

- **POS for .NET** helps enable seamless peripheral integration.

## Key Enterprise-Specific Features

Access enterprise networks and easily integrate industry devices with streamlined identity and access management tools.

- **Direct Access** allows users to access corporate data and resources without having to go through a separate VPN connection.

- **AppLocker** allows IT managers to control access to specific applications for a single user or a group.

- **Sideloading** enables an enterprise to deploy proprietary, mission-critical, line-of-business applications without having to publish them on Windows Embedded App Store.

- Improve the branch office experience by caching commonly used files locally using **BranchCache**, rather than forcing users to access files via central network shares.

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**Microsoft**