Windows Embedded 8 Standard

The world is increasingly empowered and connected....

In order to stay competitive, today's workers want ease of use without a demanding learning curve. Today's businesses and institutions must absorb information in real time and react quickly to maintain a competitive edge. Customers demand a personalized, seamless, and unique technology experience.

Microsoft extends the power of the Windows 8 operating system in a componentized form for device makers to create industry devices that help address the most challenging business needs.

Windows Embedded 8 Standard provides device makers with a flexible platform to create unique, best-in-class products that delight customers and stand out from the competition. The latest operating system innovations help shorten the device development cycle with specialized technologies designed for the industry devices. These devices are optimized for the intelligent systems that have the ability to transform data into lasting competitive advantage.

Learn more at www.windowsembedded.com/we8standard.

Create differentiated devices

Assisted by the latest innovations, manufacturers can deliver more immersive, natural, and highly customizable user experiences to make their devices stand out. Device makers can deliver a uniquely branded experience throughout the device to further define exceptional user experience for their customers.

Build specialized devices on technologies you trust

Windows Embedded 8 Standard brings the latest security technologies from Windows 8 to help protect your customers' sensitive business information on your specialized devices. By building on Windows Embedded 8 Standard, manufacturers can take advantage of the features to ensure the devices are highly reliable, and users can maintain the desired device configuration and predictable experience while in use.

Extend enterprise-wide business intelligence

By building with Windows Embedded 8 Standard, manufacturers can ensure their devices are optimized for the enterprise-wide intelligent systems, releasing the power of business-critical information. Thanks to seamless enterprise integration and management capabilities, industry devices can be efficiently managed alongside Windows PCs and servers to ensure their customer's data translates into actionable insight.

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 Standard
Differentiating Features

- Componentized operating system lets you choose the features that you want.
- Custom branding lets you provide a unique, custom experience from start to finish.
- Lockdown features help ensure intended and predictable customer experience.

Key benefits

- Create a custom operating system image to deliver the necessary functionality for the device.
- Provide device users with a unique and powerful branded experience.
- Deliver an immersive, natural, and multitouch user experience.
- Reduce custom development and help secure your device from unintended interactions with advanced lockdown features.
- Run your existing Windows line-of-business applications or create a new experience with Windows 8 style apps.
- Improve mobility and access with new power management and wireless technologies.
- Use the enhanced security technologies to protect your device, data, and network.
- Access IT systems and the cloud to keep devices connected to the information that matters most.
- Manage the device alongside PCs and servers with Microsoft System Center.
- Improve time to market with new operating system development and customization tools.

Windows Embedded 8 Standard
Features at a Glance

Differentiated Devices

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

Benefit from distinctive line-of-business applications
Windows Embedded 8 Standard supports your existing Windows Desktop and new Windows 8 style applications.

- Develop new **Windows 8 style applications** using the clean, modern design.
- Extend the value of your existing Windows line-of-business solutions through **application compatibility**.

Create unique operating system configurations
Benefit from a module-based approach to device operating system creation.

- Drive efficiencies by creating a **custom image** with only necessary functionality included.
- **Module Designer** simplifies custom operating system design by integrating third-party modules.

Apply custom branding
Present your unique brand experience to users by delivering a custom experience from startup through shut-down.

Harness connectivity
Integrate a multitude of connectivity options to 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 an idle state to help a device remain connected to the Internet, helping to ensure applications are always current.

Enjoy improved power management
- Smart power management extends the usable life of the embedded device.
- Developers will be able to build more energy-efficient applications to reduce overall power consumption and improve on green IT.

Trusted Platform

Rest assured with technologies you can rely on
Windows Embedded 8 is built with security, management, availability, and reliability in mind.

- **BitLocker** technologies help ensure data protection and hard drive encryption.
- **Trusted Boot and Measured Boot** add early malware protection and help guarantee that only the verified operating system image can boot.

Stay protected with Windows Embedded Lockdown
Windows Embedded Lockdown features help original equipment manufacturers (OEMs) control the industry device configuration and user experience.

- Protect application and operating system changes by writing data to the abstraction layer using **write filters**.
- **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**.
- Help ensure consistent application experience with the **Gesture Filter**.
- **Hibernate Once/Resume Many** feature helps ensure that the devices restart the same way every time.
- **Application Launcher** allows devices to boot directly into a line-of-business application and allows the users to access the desired device experience directly.
- Easily manage and configure lockdown technologies with an improved **Embedded Lockdown Manager**.

Extending Business Intelligence

Access enterprise networks
Windows Embedded 8 Standard easily integrates 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
Manage your entire Windows Embedded ecosystem on your IT infrastructure more easily and from a single management solution.

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

Harness the power of business-critical data
Enable streaming data connection to back-end systems in the cloud or 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**.
- Help 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.

Learn more about Windows Embedded 8 Standard or download the toolkit at: **www.windowsembedded.com/we8standard**

Microsoft