# Introduction

Choose Windows Embedded Standard to enable advanced enterprise devices to run thousands of existing Windows applications and drivers. Experience a rich set of componentized embedded OS technologies. Specific embedded enabling features allow you to tailor the OS to your device. With Windows Embedded Standard, you can optimize the size of the OS footprint on your device because you can select just the drivers, services, and applications you need.

## Feature Details

### Increased Flexibility to Build Special Purpose Devices
- Flexibility to add features, drivers and language packs either directly to the device or to the image on the developer machine.
- Hardware flexibility with support for 64 bit (x64) in addition to the 32 bit (x86) to build high-end embedded systems

### Prepackaged Features
Reduce development costs using embedded features and simple to use tools

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

### 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 NFC, 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 can build more energy-efficient designs

### Rest Assured with Technologies You can Rely On
Windows Embedded standard 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 industrial device configuration and user experience.
- Protect from application and operating system changes by writing data to the abstraction layer using write filters
- Keyboard Filter maintains 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

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Specifications and Versions

**Windows Embedded 8 Standard**

Windows Embedded 8 Standard is a modular operating system that provides enterprises and device manufacturers the freedom to choose which capabilities will be part of their industry devices and intelligent system solutions. It 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 industrial devices. These devices are optimized for the intelligent systems that have the ability to transform data into lasting competitive advantage.

**Windows Embedded Standard 7**

Windows® Embedded Standard 7 delivers the power, familiarity, and reliability of the Windows 7 operating system in a componentized form for developers to create advanced commercial and consumer devices running thousands of existing Windows applications and drivers. NEW: Windows Embedded Standard 7 Service Pack 1 includes these technologies; Remote Desktop Protocol, SD Boot, and SKU Compliance Package.

**Windows Embedded Standard 2009**

Windows Embedded Standard delivers the power, familiarity, and reliability of the Windows operating system in a componentized form for developers to create advanced commercial and consumer devices running thousands of existing Windows applications and drivers.

**Windows XP Embedded**

The operating system for secure, manageable and innovative embedded devices. Windows XP Embedded delivers the power of Windows XP Professional in a componentized form. Each component includes data that allows you to mix and match with other components and build a customized operating system into a runtime image.

Windows XP Embedded is designed to help you reduce development time and costs due to its compatibility with commodity PC hardware, applications, drivers, and services.

Ordering information

- **968TWE8STD** Windows Embedded 8 Standard
- **968TWES7PO** Windows Embedded Standard 7 P
- **968TWES7ES** Windows Embedded Standard 7 E
- **968TXPESTD** Windows Embedded Standard 2009
- **968TXPEEMB** Windows XP Embedded

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