Windows Embedded

Windows Embedded 8 Standard

Windows Embedded 8 Standard shortens development cycles and enables device makers to create differentiated, best-in-class products that delight customers and stand out from the competition. They are packed with line-of-business (LOB) solutions optimized for the intelligence 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 from Microsoft, manufacturers can deliver more immersive, natural, and highly customizable user experiences to make their devices stand out. Device makers can deliver a unique 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 that devices are highly reliable, and users can maintain the desired device configuration while in use.

Extend business intelligence

By building with Windows Embedded 8 Standard, manufacturers can ensure their devices are optimized intelligence systems. Microsoft Active Directory delivers seamless enterprise identity and access management. Specialized devices can be efficiently managed alongside Windows PCs and connect to Windows Azure and Windows Server to ensure their customer's data translates into competitive advantage.

Download a copy of the Windows Embedded 8 Standard Release Preview at:
www.windowsembedded.com/we8standard

Key Benefits

- Run your existing Windows LOB application or create a new experience with Windows 8 applications.

- Deliver an immersive, natural user experience with multitouch and Kinect for Windows.

- Improve connectivity and availability with updated networking technologies and improved power management.

- Create a custom operating system image to deliver the necessary functionality for the device.

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

- Help deliver a consistent experience with improved lockdown capabilities.

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

- Manage the device with Microsoft System Center and Windows Embedded Device Manager.

- Improve time to market with updated operating system development tools.

10 YEARS
Windows Embedded products are covered by an industry-leading, 10-year support program plus product availability for 15 years.

Windows Embedded 8 Standard Features at a Glance

Differentiated devices

Natural User Experience

Windows Embedded 8 Standard devices provide an opportunity for a more natural user experience through fast, fluid, and responsive controls, supporting multipoint touch capabilities.

Offer Distinctive Line-of-Business Applications

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

- Develop new Windows 8 applications using the clean, modern design.
- Benefit from the compatibility to run your existing Windows 7 application.

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.
- Simplify custom operating system design by integrating third-party modules with Module Designer.

Apply Custom Branding

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

Harness Powerful Connectivity

Integrate a multitude of connectivity options to keep devices portable and connected to networks and business-critical data.

Trusted platform

Rest Assured with Trusted Technologies

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

- BitLocker technologies ensure hardware recovery, hard drive encryption, and protection from cold-boot attacks.
- Secured Boot and Measured Boot (TPM, UEFI chain-of-trust) adds early malware protection to allow only the verified operating system image to boot.
- Hibernate-Once-Resume-Many feature restarts devices the same way every time.

Deliver a Consistent User Experience

Control the device configuration and user experience with Windows Embedded lockdown features.

- Protect hard disk and operating system by writing data to abstraction layer using Universal Write Filter.
- Use keyboard filters to limit the user's ability to modify the device configuration through physical and on-screen keyboards.
- Suppress Windows system dialogs with the Dialog Filter.
- Enable a defined application experience with the Gesture Filter to control touch interactions.
- Manage and configure lockdown technologies remotely with Embedded Lockdown Manager.

Extending business intelligence

Access Enterprise Networks

Windows Embedded 8 Standard integrates devices for identity and access management tools.

- Use Active Directory to 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.

- Deploy Windows Embedded Device Manager, together with System Center Configuration Manager, for operating system and application deployment, updates, asset inventory, and security management.
- Use System Center Operations Manager for monitoring, reporting, audits, and alerts.

Harness the Power of Business-Critical Data

Enable streaming data connection to backend 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.
- Create new business intelligence by accessing business-critical data from cloud services like Windows Azure.

Microsoft