Windows Embedded 8.1 Industry Data Sheet

Windows Embedded

Introduction:

In order to help OEMs and their customers maintain a competitive edge, Microsoft extends the power of Windows 8.1 to industry devices to help OEM Partners address today's most challenging business needs. Windows Embedded 8.1 Industry is full Windows 8.1 plus embedded capabilities that powers unique and modern industry devices and enables their users in innovative and powerful ways.

> For OEMs, Windows Embedded 8.1 Industry shortens development cycle and enables device makers to focus on creating differentiated devices that delight customers and stand out from the competition. These devices are line of business solutions optimized to extend the power of intelligent systems ability to transform data into lasting competitive advantage.
>
> Learn more at windowsembedded.com

Create Differentiated Devices

Assisted by latest innovation from Microsoft Windows 8.1, OEM Partners have an opportunity to amaze their customers with a new class of products that deliver rich, more immersive and natural user experiences to make their devices truly stand out. Utilizing the next generation of embedded technologies can bring a variety of new device possibilities to life.

Build on Technologies you Trust

Windows Embedded 8.1 Industry brings the latest security technologies from Windows to help protect your customers' sensitive business information on your specialized devices. By building on Windows Embedded 8.1, OEMs can ensure desired device experience and predictable functionality for secure and highly reliable devices.

Extend Enterprise-wide Business Intelligence

By building with Windows Embedded 8.1 Industry, device makers can ensure their devices are optimized for the enterprise-wide intelligent systems, utilizing business critical information. Thanks to seamless enterprise integration and management capabilities, these specialized devices can be efficiently managed alongside Windows PCs and Servers to ensure their customer's data translates into actionable insight.

Windows Embedded 8.1 Industry

Differentiating Features

Full Windows 8.1 plus embedded capabilities that extend the Windows experience to industry devices and allows for greater Line-of-Business application flexibility

Lockdown features ensure intended and predictable device experience every time

Plug-n-Play Retail peripheral support enables easy retail scenario integration

Key Benefits

- Take advantage of Full Windows 8.1 to provide 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
- Deliver an immersive, natural user experience with multi-touch and Kinect for Windows
- Easily implement retail peripherals with built-in plug and play capabilities
- Improve mobility and access with new power management and wireless technologies
- 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
- Reduce custom development with advanced lockdown features and secure your device from unintended interactions
- Build and deploy industry devices through streamlined OS installation experience
- Manage the device alongside PCs and Servers with Microsoft System Center

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

Download Windows Embedded 8.1 Industry at Microsoft OEM Online or learn more at: http://www.windowsembedded.com

Differentiated Devices

Experience Touch
Windows Embedded 8.1 devices enable a more natural user experience through fast, fluid and responsive controls, supporting multipoint touch capabilities. New experience includes updated charms and improved multi-monitor support. User interface improvements to help naturally bridge touch and desktop especially for keyboard and mouse users*.

Benefit from support for Line-of-Business applications
Windows Embedded 8.1 supports your existing and new Windows 8 style applications

- Develop new **Windows 8 style applications** utilizing the clean, modern design
- Develop new Windows 8 style applications that communicate with desktop applications via inter-process communication*
- Sideload Windows 8 style applications without a sideloading key*
- Extend the value of your existing Windows line-of-business solutions through **Application Compatibility**

Available in **Windows Embedded 8.1 Industry Update*

Benefit from a Broad Developer Ecosystem
Windows Embedded 8.1 Industry offers embedded-enabled features which allows broader development opportunities for a consistent and predictable platform

Trusted Platform

Build with Trusted technologies
Windows Embedded 8.1 is built with security, management, availability and reliability in mind

- **BitLocker** technologies ensure data protection and hard drive encryption
- **Trusted Boot and Measured Boot** guarantees that only verified operating system image can boot and adds early malware protection thus preventing malicious software from running
- **Windows Defender** and **System Center Endpoint Protection** help protect devices from malware providing a solution for businesses of all sizes

Enable a Consistent Application Experience with Windows Embedded Lockdown Features
Fully control the device configuration and user experience

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

Extending Business Intelligence

Access Enterprise Networks
Easily integrate industry devices with streamlined identity and access management tools

- Utilize **Microsoft Active Directory** to ensure identity-based access
- Deploy **Microsoft Group Policy** for access management
- Benefit from a support for a wider range of **VPN** clients

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

Harness Connectivity
Integrate 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 printer support**, enhancements to **USB**, **Bluetooth 4.0** and **Roaming Enhancements**
- **Connected Standby** uses very low power when in idle state to ensure a device remains connected to the internet, ensuring applications are always current

Take advantage of 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

Plug-n-Play Peripheral Compatibility
POS for .NET provides an architecture that is based upon the Unified Point of Service (UPOS) industry standard to enable seamless peripheral integration.

Expanded capabilities in Windows Embedded Industry 8.1 include support for:

- Windows 8 App Magnetic Stripe Reader
- Windows 8 App Barcode Scanner

- Protect application and operating system by writing data to abstraction layer using **Unified Write Filter**
- Leverage deeper lockdown control options with new **USB** and **Hardware Buttons** lockdown
- **Keyboard Filter** protects consistent user experience by blocking special key-combinations on both physical and virtual keyboards
- Suppress Windows system dialogs with the **Dialog Filter**
- **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 the users to access the desired device experience directly
- Easily Manage and configure lockdown technologies remotely with **Embedded Lockdown Manager**

Leverage Streamlined OS Installation Experience
Take advantage of Full Windows 8.1 out of box experience and existing familiar IT tools for deployment and management

Harness the Power of Business Critical Data
Enable streaming data connection to intelligent systems throughout the enterprise where the data can be translated into insights and actions to create further business value. Integration with infrastructure services like Windows Server, SQL databases, Azure and other cloud services is a fundamental capability

- Extend business intelligence by accessing business critical data from **On-Premise 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

Learn more about Windows Embedded 8.1 at windowsembedded.com or contact your Microsoft representative

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