Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Windows Embedded Professional/Industry

Embedded Operation System

Windows Embedded Pro

Features

- Take advantage of Full Windows to provide a high degree of cross-platform application compatibility
- Run your existing Windows line-of-business applications or create a new experience with Win¬dows 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

Introduction

These products are fully functional versions of Microsoft's desktop OS, intended for use in an embedded solution consisting of purpose-built hardware and application software. Developers use Windows for Embedded Enterprise for its visual and differentiated user interfaces, connectivity capabilities, and reliability in building secure applications. It's for dedicated embedded devices that require custom interfaces and fully functioning Windows desktop.

Feature Details

Experience Touch and Multi-sensory Input

- Windows Embedded 8.1 Professional/Industry supports multi-touch gesture input, Internet Explorer 11, HTML 5, and Kinect for Windows — opening the door to a user experience that is more intuitive, more natural, and more engaging.

- Windows Embedded 8.1 Professional/Industry also provides support for multi-sensory input and sensory fusion, offering device manufacturers new opportunities to offer customers benefits from new streams of data.

Single Management Solutions

Integrate industry devices into identity and access man¬agement solutions, gaining all the potential of a network of devices without the additional overhead of IT management.

Benefit from a Broad Developer Ecosystem

Windows Embedded Professional/Industry offers embedded-enabled features, which allow broader development opportunities for a consistent and predictable platform.

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 (Near Field Communication), printer support, enhancements to USB, Bluetooth 4.0, and Roaming Enhancements.

Build with Trusted Technologies

Windows Embedded Professional/Industry is built with security, management, availability, and reliability in mind.

- BitLocker technologies ensure data protection and hard drive encryption.

- Trusted Boot and Measured Boot guarantee that only the 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 solutions for businesses of all sizes.

Embedded Lockdown Features

Enable a Consistent Application Experience with Windows Embedded Lockdown Features. This fully controls the device configuration and user experience.

- Ensure consistent touch interactions with the Gesture Filter.

- 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 delivers 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.

Specifications and Versions

Windows Embedded 8.1 Industry

Windows Embedded 8.1 Industry extends Windows 8.1 to a range of edge devices across retail, manufacturing, healthcare, and any other industries in which powerful line-of-business applica¬tions and the ability to perform a specialized function securely and reliably are para¬mount.

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 challeng¬ing business needs. Windows Embedded 8.1 Industry is full Windows 8.1, plus embedded capa¬bilities that power unique and modern industry devices and enable their users in innovative and dynamic ways.

Windows Embedded 8.1 Pro

Windows Embedded 8.1 Pro delivers the full power of the Windows 8.1 operating system in a version designed specifically for industry devices within intelligent systems. Gain improvements in power management, connectivity, and enterprise integration with a Windows 8.1-based intelli¬gent system that advances business growth.

Windows 7 Ultimate for Embedded Systems

Windows 7 Ultimate for Embedded Systems provides access to multi-language sup¬port as well as new levels of protection against theft of important business data stored on the embedded device. All the features found in Windows 7 Professional for Embedded Systems are also found in Windows 7 Ultimate for Embedded Systems.

Windows 7 Professional for Embedded Systems

Windows 7 Professional for Embedded Systems operating system provides infrastructure improvements that enable you to spend less time on the day-to-day maintenance of embed¬ded devices and more time adding value to applications. Build in a familiar environment while improving existing or creating new embedded devices.

The Windows 7 Professional Service Pack 1 for Embedded Systems includes previously released updates and hotfixes as well as RemoteFX, which, with Windows Server 2008 R2 with SP1, creates a media-rich user environment for virtual desktops, session-based desktops, and remote applica¬tions.

Windows XP Professional with Embedded Systems

This operating system (OS) is appropriate for devices that have a strict need for Windows XP Professional application compatibility and where reduced footprint is not a primary design requirement. Unlike Windows XP Embedded, Windows XP Professional with Embedded Systems is not a componentized version of the Windows OS, and an OEM Pre-installation Kit is needed to produce the OS image. Therefore, the OS image size is not as customizable.

Ordering information

- **968TWE8IP1**   Windows Embedded 8.1 Industry
- **968TWE8PR1**   Windows Embedded 8.1 Pro
- **968TW7US1X**   Windows 7 Ultimate for Embedded Systems
- **968TW7PS1X**   Windows 7 Professional for Embedded Systems
- **968TXPPRO3**   Windows XP Professional with Embedded Systems