Kiosk Solutions

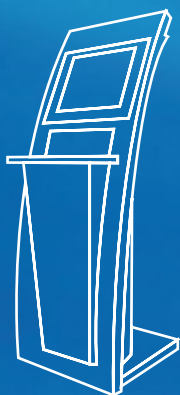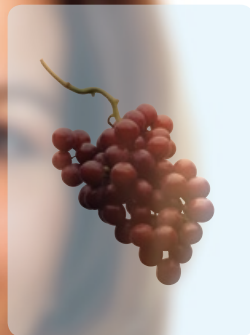**Microsoft®**

Kiosk Solutions

Welcome to the future.

We live in a time when we continuously interact with a world of smart, connected devices, allowing us to have access to information, entertainment, services, healthcare, and finances. Just as ATM machines have changed the way we bank, the next generation of kiosks is changing the way we get directions, travel, check into hotels, buy our groceries, obtain medical services, and interact with our world. Windows® Embedded is dedicated to providing the next generation of software and services to realize this vision of the future—today.

All over the world, consumer-facing industries are realizing the cost, productivity, and loyalty benefits that come from embracing self-service as a strategic delivery channel. As a result, interactive kiosks are becoming an increasingly popular means of providing more user-friendly and efficient customer service both locally and across the planet. Windows Embedded is empowering a new breed of interactive kiosks for both Original Equipment Manufacturers (OEMs) who develop and market kiosks and end-user businesses that employ them to streamline processes and increase customer satisfaction, delivering rich interactive, visually compelling, and secure end-user experiences.

Industry Applications

The **financial services industry** was one of the first to bring interactive kiosks into the mainstream with the use of ATMs. But the industry has now taken the use of kiosks well beyond ATMs; many banks use information kiosks in their lobbies to promote services, answer questions, and even allow customers to apply for savings or checking accounts. Other financial services institutions have placed instant credit application kiosks in stores, where customers can apply for loans and receive approval within minutes. And bill payment kiosks accept payment for utility bills and even consumer bills. The Windows Embedded platform enables the financial services industry to take advantage of the latest technologies in multimedia, content distribution, Internet integration, software components, hardware support, and rapid development tools without compromising the trusted factors inherent in self-service delivery.

Few industries are better suited for self-service than **retail**. Interactive kiosks have become more appealing to retail customers who demand more empowering, streamlined, and interactive shopping experiences. Self-service kiosks are also cutting down on labor costs for retailers, reducing the need for in-store personnel and training. Kiosks can be located where they are always accessible, providing 24-hour uptime. Windows Embedded Enterprise and Windows Embedded for POS devices (WEPOS) provide the integration, security, and robust platforms needed in today's retail environment.

Interactive kiosks are making great strides in allowing the **healthcare industry** to contain costs while improving quality. Healthcare institutions are using kiosks to enhance patient experiences by streamlining patient interactions and patient flow through the healthcare continuum. Specific applications include patient check-in, collection of medical history and vital statistics, hospital directories and wayfinding, patient education, physician and provider directories, secure access to patient records, pharmacy refills, and appointment scheduling. The Windows Embedded team is working closely with the healthcare industry to align with patient and provider needs, including security and timely access to data and records.

In the **gaming industry**, interactivity is the name of the game. Older slot machines, video poker, and other single-player games have been replaced with touchscreen kiosks that include bill and coin acceptors and small thermal printers. Players receive their winnings in the form of a bar-coded paper voucher that can be taken to a cashier or even read by another kiosk that dispenses cash. Multiplayer online gaming (MPOG), which has been spurred by the popularity of one-on-one dedicated game units, is also utilizing kiosks and has become a significant sector of the gaming industry. Gaming customers have used Windows Embedded Enterprise and Windows Embedded Standard as the platform of choice for their gaming devices.

Kiosk Solutions

The Benefits of Using Windows Embedded

For both business users and OEMs, Windows Embedded allows kiosk manufacturers to:

➔ **Differentiate in today's changing market**

Develop competitive, world-class embedded applications that utilize rich applications, services, and end-user experiences, and use rich and dynamic user interface products and tools such as:

Microsoft® Silverlight™—delivers the next generation of media experiences and rich interactive applications (RIAs) for the Web that incorporate video, animation, interactivity, and stunning user interfaces

Windows Presentation Foundation (WPF)—allows customers to quickly create new rich, interactive, sophisticated, and highly customized user interfaces, with significant advancements in areas such as styling and animation
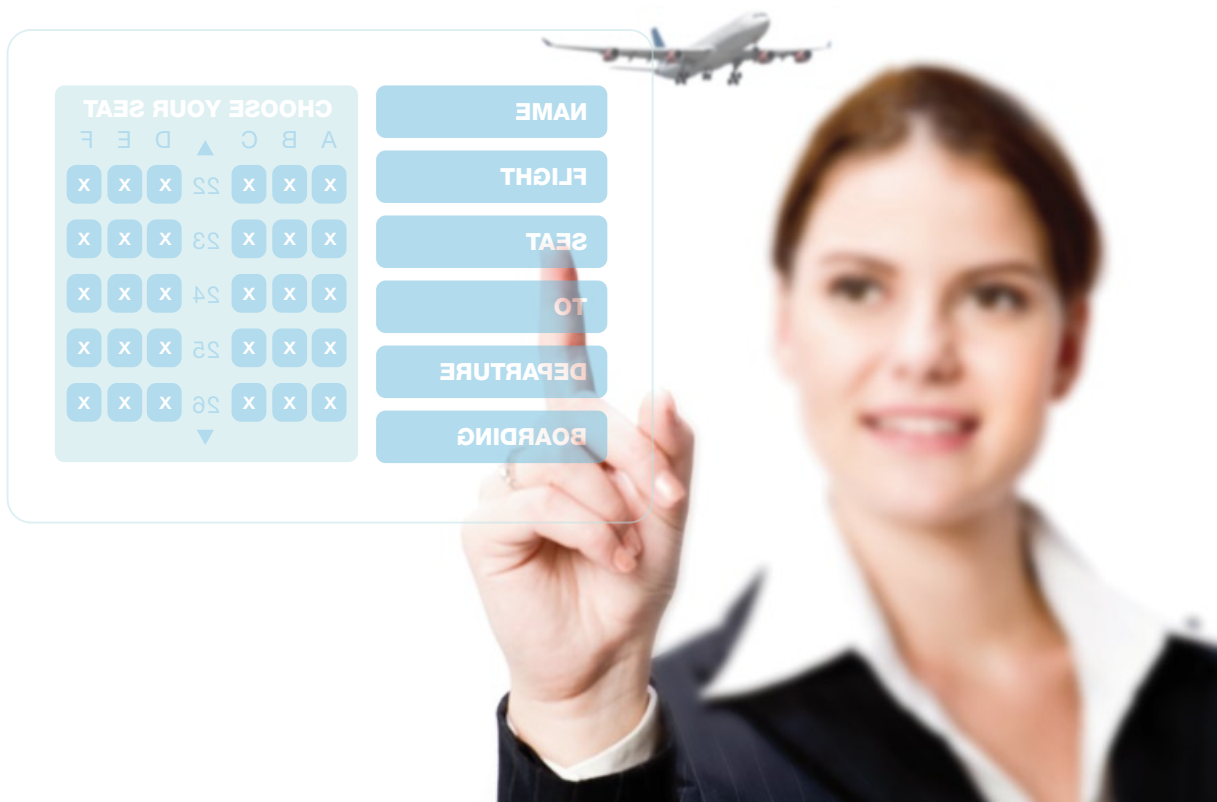
Windows Internet Explorer® 7—features improved navigation, search, and printing, access to RSS feeds, and dynamic security protection to help defend against malware and phishing

➔ **Reduce time to market and costs**

Shorten development times by utilizing a rich variety of development tools while taking advantage of Windows Embedded Partners and MVPs for expert support. With a wide portfolio of products designed to meet differing customer application requirements, Windows Embedded offers OEMs choices that help balance time to market, device footprint, and cost. Also, Windows Embedded products are delivered with an OEM Pre-installation kit (OPK), which greatly speeds up development and mass deployment of the operating system.

➔ **Reap the benefits of application compatibility**

Work on a stable platform with world-class security features and easy-to-use update mechanisms. Windows Embedded provides a high level of compatibility with third-party software and peripherals. Take advantage of the Windows environment to easily interconnect with other kiosks, device management applications, and back-end servers.

Choose Windows Embedded for Your Kiosk Solution

➔ **Trustworthy Computing**
Microsoft delivers secure, private, and reliable computing experiences based on sound business practices.

Security
The security of our customers' computers and networks is a top priority, and we are committed to building software and services to help better protect our customers and the industry. Our approach to security includes both technological and social aspects.

Privacy
We believe that people have the right to not receive unwanted communications. We also believe that people need to be able to trust that their personal information is used appropriately—and that any use of that information provides specific value to them.

Reliability
We are committed to improving the quality of the technologies, products, and processes that customers need for systems that are reliable and that perform as intended and expected.

Business Practices
We strive to maintain the highest standards in our business conduct, to ensure integrity and transparency in all of our business practices, and to address society's ethical, legal, and commercial expectations.

➔ **Windows Embedded Support Services**
Developing an embedded product and bringing it to market can be a long and complicated process, but Microsoft helps to ensure that you will have the support you need along every step of the way. When you develop with Windows Embedded, you'll have access to a productive set of tools and technologies and an active development community to give you the confidence that you will be successful in delivering the next generation of smart, connected, and service-oriented devices to market faster.

Wherever you are on the road to bringing your device to market, Windows Embedded is committed to providing the help and resources that you need, from planning and building to licensing, shipping, and marketing. You'll also have access to product support, including Microsoft's 10-year product lifecycle support and training. Plus, MSDN, Microsoft's Support and Development Network, is your source for articles, code, forums, community blogs, and more.

Partner Ecosystem
The Windows Embedded Partner Program (WEPP) is a strategic worldwide program that provides OEMs with unparalleled support and Partners with increased business opportunities, market awareness, and technology advice. Windows Embedded Partners, such as system integrators, distributors, training partners, independent software or hardware vendors, silicon vendors, and equipment or device manufacturers, team together in a tight partnership with OEMs.
To learn more about WEPP, visit
www.WindowsEmbedded.com/partners

Kiosk Solutions

The Windows Embedded Product Portfolio

The Windows Embedded product line offers a wide range of operating systems specifically designed for use in embedded devices such as interactive kiosks. Each operating system is provided with OEM Pre-installation Kits (OPKs), which help to simplify the installation and activation of operating systems inside devices.

	Windows Embedded Enterprise	Windows Embedded Standard Next Generation of Windows XP Embedded	Windows Embedded for Point of Service	Windows Embedded CE
Kiosks	●	●		
ATMs	●			
Full-Featured Point of Service	●	●	●	
Self-Checkout Point of Service	●	●	●	
Gaming	●	●		
Digital Signage – Stationary	●	●		
Digital Signage – Portable				●
Fuel Pumps/ Displays		●		●
Digital Picture Frames				●
Portable Media Players				●

Continued Life of Windows XP Pro for Embedded Systems

Windows XP Pro for Embedded Systems will continue to be available through Microsoft Authorized Embedded Distributors through **December 2016**.

For more information, visit **www.xppro2016.com**

Windows Embedded Enterprise

Windows XP Professional and Windows Vista for Embedded Systems

Take advantage of the full power of Microsoft's premium operating systems when footprint size is not an issue. Developers use Windows Embedded Enterprise for its visual and differentiated user interfaces, connectivity capabilities, and reliability in building secure applications.

Windows Embedded Enterprise features the same security and functionality as Microsoft's most powerful desktop operating systems, Windows XP Professional and Windows Vista®. Both systems allow you to develop the next generation of interactive kiosks, get them to market quickly through Microsoft's dedicated product support, and help lower development costs through Microsoft's community resources.

Windows Embedded Standard

Next Generation of Windows XP Embedded

Windows Embedded Standard delivers the power, familiarity, and reliability of the Windows operating system in componentized form, helping device makers to easily create smart, connected devices requiring rich applications, services, and end-user experience on smaller devices.

The next generation of Windows XP Embedded, Windows Embedded Standard enables advanced enterprise devices to run thousands of existing Windows applications and drivers in a variety of advanced commercial or consumer devices, including kiosks, digital signage, and Point of Service terminals.

Windows Embedded for Point of Service

Windows Embedded for Point of Service is an operating system specifically developed for Point of Service applications.

Designed to shorten the development cycle of dedicated embedded devices through compatibility with thousands of off-the-shelf applications, services, and certified drivers, Windows Embedded for Point of Service is the right solution for consumer-friendly devices in the retail and hospitality markets needing to connect to a variety of peripherals.

Windows Embedded CE

Develop small-footprint devices with a componentized, real-time operating system.

Windows Embedded CE provides a 32-bit native, componentized, hard real-time operating system designed for small-footprint devices, ranging from power-conscious digital picture frames to real-time industrial controllers.

Microsoft®

For more information on Windows Embedded Enterprise:

➜ Visit **www.WindowsEmbedded.com**

➜ E-mail **embedpgm@microsoft.com**

➜ Contact your local Windows Embedded Distributor at **www.WindowsEmbedded.com/distributors**

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