



Microsoft®

Windows Embedded for Point of Service

Windows Embedded for Point of Service— Optimized for Retail POS Systems

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Abstract

Retail technology is evolving from a point-of-sale orientation to a point-of-service (POS) orientation. The difference is that point of service delivers improved customer service through the use of flexible devices such as self-checkout stations, self-service kiosks, information kiosks, and food ordering kiosks. To support retailers and original equipment manufacturers (OEMs), Microsoft has developed Microsoft® Windows® Embedded for Point of Service (WEPOS), an operating system optimized for retail POS systems. Windows Embedded for Point of Service is easy to set up, use, and manage due to a standard platform, Plug-n-Play support, and familiar management technologies. It empowers retailers to create the most compelling customer interactions by providing a standard, retail-optimized platform that includes the required retail-specific technologies and full support for standard retail applications and device peripherals. Windows Embedded for Point of Service provides low, retail point-of-service lifecycle costs by decreasing operating system and application development costs, deployment costs, servicing and maintenance costs, and POS hardware costs.

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Introduction

Point of sale is giving way to point of service. The difference is significant because *service* goes far beyond the narrow confines of *sale*. In a point-of-service world, retailers can still use point-of-sale terminals to ring-up a sale, but they have many more opportunities as well. In a point-of-service world, there are self-checkout stations, self-service kiosks, information kiosks, and food ordering kiosks—to name only a few examples—all working to improve the experience of the customer. Think of the point-of-sale to point-of-service evolution as analogous to a shift from devices that handle only sales transactions to devices that handle sales transactions and customer relationships, even whole new, self-led customer experiences.

As a consequence of this evolution, POS takes on new meaning—POS now stands for *point of service*.

Older point-of-sale systems are quickly becoming obsolete. They simply are not flexible enough to support the range of options demanded by today's retailers. Retailers are actively installing new POS systems, including self-checkout and self-service kiosks, and they are looking for new technologies to enable the creation of new and better customer experiences in the store.

Microsoft is committed to providing an operating system and application environment that delivers the functionality that retailers expect from POS systems. Proof of this commitment lies in a version of the Microsoft® Windows® XP operating system optimized for retail POS systems, Microsoft Windows Embedded for Point of Service (WEPOS).

Windows Embedded for Point of Service enables original equipment manufacturer (OEM) partners to build easy-to-use, secure, cost-effective POS solutions that provide the broad range of functionality that retail customers want. Based on the technologies available in Windows XP with Service Pack 2, Windows Embedded for Point of Service is the first POS platform that provides Plug-n-Play functionality for retail device peripherals. It also provides support for device peripherals that implement the Unified POS interoperability specifications published by the Association of Retail Technology Standards (ARTS); this includes peripherals based on OLE for point of sale (OPOS) and JavaPOS (JPOS) implementations as well as peripherals based on the POS for .NET implementation. Windows Embedded for Point of Service enables peripheral vendors to integrate their devices into a WEPOS-based POS system easily and ensures that the operating system provides lower development, deployment, management, and hardware costs than other POS environments. Microsoft has committed to support WEPOS for up to 10 years after its initial release; so retailers and OEMs are assured that Microsoft is supporting their needs for the life cycle of the next generation of POS systems.

Retail Market Trends

Worldwide point-of-service (POS) shipments are growing rapidly and are forecasted to continue growing at a rapid pace. Clarendon Consulting (www.clarendon-reports.co.uk) reports that worldwide electronic POS shipments have grown at a compounded annual growth rate (CAGR) of 9.4 percent between 2002 and 2004 and are expected to grow at a compounded annual growth rate of 11.1 percent between 2004 and 2008. The worldwide sales figure projected for 2008 exceeds 3.7 million units—up from only 2 million units in 2002.

The environment for POS systems is highly dynamic. Acquisitions, mergers, and rapid expansions in certain retail and hospitality industry sub-segments have sent IT managers in search of a flexible POS environment that can be easily and quickly deployed and managed throughout an entire retail chain. IT managers realize that these systems must do more than in previous years. For this reason, the point-of-service environment is becoming more sophisticated about capturing and managing information and more innovative about delivering customer service.

An Increasingly Sophisticated Environment

Enterprise IT requirements are becoming increasingly sophisticated for retailers. Although individual stores in a retail chain previously operated in relative isolation, they are expected today to participate as nodes in an integrated enterprise network. They must be able to handle sales transactions as well as share critical business and customer data with other stores (or central headquarters) in real time. How retailers capture and communicate that data is evolving rapidly, and the rapidity with which technology is evolving is prompting retailers to look for a flexible, accommodating environment that will enable them to take advantage of the latest technologies.

Technologies such as radio frequency identification (RFID) and wireless networking are helping to provide new levels of service delivery, and retailers want to be sure the environment they select will prepare them for the future. In support of these emerging technologies and more demanding requirements, retailers require an operating system based on continuous, focused, high-quality, and timely research and development.

An Expanding Opportunity for Delivering Customer Service

A point-of-service system can include any of the following types of devices:

- **Point-of-Sale system.** Point-of-sale systems are focused on sales. These can be standalone, general purpose PCs that function as a point-of-sale terminal during the day, or they can be specialized stations that provide only point-of-sale capabilities as part of a store or enterprise-

wide network. Point-of-sale systems often support a collection of retail device peripherals such as a barcode scanner and magnetic stripe reader.

- **Information kiosk.** Information kiosks are point-of-sale terminals within a retail or hospitality location that provide customers with information about available products and services. An information kiosk can provide product information, gift registry information, online and catalog ordering information, and concierge information at a hotel.
- **Self-checkout system.** Self-checkout systems help customers avoid long lines by enabling them to scan, bag, and execute the financial transaction for purchasing items themselves. Retailers can reduce labor costs by tasking a single employee to oversee and manage multiple self-checkout systems.
- **Personal shopping assistant.** Personal shopping assistants can include *on-cart* terminals that provide product information directly to the shopper. These assistants also provide opportunities for retailers to offer targeted product promotions and cross-sales in real time.

POS terminals can be tied into RFID systems that track inventory movements. A POS terminal can also be integrated into a wireless network that can enable a customer's personal digital assistant (PDA), SmartPhone, or on-cart terminal to act as a mobile information kiosk or promotional device. Within the retail store, POS terminals can be linked to biometric devices to integrate customer service capabilities, store security, and associated identification requirements into a single coherent system.

Reduced Cost of Ownership

One of the forces driving the move toward point of service is the need to reduce customer service system life cycle costs—including operating system and application development costs, deployment costs, service and maintenance costs, and POS hardware costs. There is a need for a flexible, cost-effective POS environment that will help lower the initial fixed costs of acquiring, deploying, and installing a new POS terminal and help lower the ongoing variable costs of managing devices, supporting the operating system and applications over time, and maintaining the hardware.

Retailers want to improve the customer experience through the use of POS technologies—making it easier for customers to find what they want, to enable them to check out without waiting, to provide them with suggestions on complimentary products, and so on. At the same time, retailers are acutely aware of how costly it can be to deploy, service, and manage a POS operating system image and applications both within a store and across geographically distributed retail outlets. A solution must offer change in both directions.

Microsoft Strategy for Point of Service Systems

Microsoft is committed to providing an operating system and application environment that delivers the functionality that retailers need for POS systems. Microsoft formed a product team tasked with developing an operating system optimized for retail POS systems—Microsoft Windows Embedded for Point of Service. This product is designed to enable partner companies to build and cost-effectively bring to market POS systems based on the Windows Embedded for Point of Service environment.

Windows Embedded for Point of Service is a standard operating system based on Microsoft Windows XP with Service Pack 2 technologies optimized for retail and hospitality point-of-service devices. Windows Embedded for Point of Service makes POS system setup, deployment, and management easy while it decreases system lifecycle costs. Consider the following product benefits for retailers and retail industry partners:

- **Easy.** Windows Embedded for Point of Service is the first point-of-service operating system to provide Plug-n-Play functionality for retail device peripherals. And it is easy to setup, use, and manage due to a standard platform and familiar management technologies.
- **Empowering.** Retailers can create the most compelling customer interactions through underlying support for the required technologies (such as a browser, multimedia, and networking) and for innovative retail applications and device peripherals.
- **Low, retail point-of-service lifecycle costs.** By decreasing operating system and application development costs, deployment costs, servicing and maintenance costs, and POS hardware costs while providing 10 years of product support— Windows Embedded for Point of Service has the longest published product support life cycle for point-of-service systems in the industry.

Microsoft designed Windows Embedded for Point of Service to enable OEM partners to build POS devices that provide the functionality that retail customers want. WEPOS provides a standard, retail-optimized environment that independent software vendors (ISVs) can use as a flexible, secure foundation for POS applications targeted to the retail marketplace. WEPOS also provides support for device peripherals that implement the Unified POS (UPOS) specifications, enabling peripheral vendors to integrate their devices into a WEPOS-based POS system easily.

Many retail industry partners have already joined the effort to develop solutions for the Windows Embedded for Point of Service operating system that will make it easy for retail and hospitality organizations to create improved customer interactions and retention. Some of the key partners developing solutions for WEPOS follow.

Point-of-service device manufacturers

- Fujitsu Transaction Solutions, IBM, Seiko Epson, Ultimate Technology, Wincor-Nixdorf

Point-of-service device peripheral manufacturers

- APG Cash Drawer, Cherry Corporation, Citizen, Fujitsu Transaction Solutions, Hand Held Products, Hitachi, Ingenico, Korea Printing System, M-Systems, MMF Cash Drawer, NEC Infrontia, Preh Electronics, Seiko Epson, Symbol, Telequip, Ultimate Technology, Wincor-Nixdorf

Point-of-service application vendors and system integrators

- 360Commerce, ACA Group BV, Altiris, Anker Systems, BSquare, CRS Retail Systems, Ecometry, FullArmor, Infogenesis, Infotouch, NSB Group, Retalix, SIVA Corp, Sorimachi-Giken, Sygate, Trade Link, Wincor-Nixdorf, Xpient Solutions

Microsoft Windows Embedded for Point of Service

Microsoft Windows Embedded for Point of Service is to POS terminals what Windows XP is to the PC desktop—a powerful core operating system that seamlessly supports the applications, hardware, and peripherals that retailers want to use, combining the best customer service capabilities with the best integrated electronic sales solution. It is easy to use, enables retailers to consolidate system management and improve customer interaction and retention, and decreases POS lifecycle costs. And because the operating system is based on components of Microsoft Windows XP Professional, it benefits from the ongoing research and development investments that Microsoft makes to improve the Windows operating system.

WEPOS actually improves on the functionality provided by the Microsoft Windows XP Embedded operating system. It combines a setup process similar to Windows XP, new Plug-n-Play functionality for retail device peripherals, and support for the PC management technologies that retailers use for PC networks today. WEPOS combines all this functionality on systems with as little as 64 MB of RAM and a Pentium II 233-MHz processor. Microsoft Windows XP Embedded will continue to be available for point-of-sale applications, but WEPOS is the recommended operating system for point-of-service environments.

Overcoming a Lack of Standardization

Windows Embedded for Point of Service includes the familiar Windows XP setup system and simplified system configuration, making it easy to setup and install. WEPOS also provides automatic hardware detection and configuration and support for a wide range of current and legacy device peripherals that implement the UPOS interoperability specifications published by ARTS. This includes peripherals based on OPOS and JPOS implementations. Windows Embedded for Point of Service will also include Microsoft's new implementation of the UPOS version 1.8 standard called [POS for .NET](#). Through this implementation, retailers, hospitality organizations, and industry partner companies can quickly and easily configure device peripherals and .NET-based POS applications to communicate with each other and with the underlying operating system. Both new and existing device peripherals will be supported by WEPOS-based POS systems.

Microsoft created a Windows Embedded for Point of Service verification program for applications and devices, which makes it easy for retailers to select .NET applications and peripherals that are proven to work with WEPOS-based point-of-service systems. For information about products verified for Windows Embedded for Point of Service, go to <http://go.microsoft.com/fwlink/?LinkId=44415>.

To facilitate the development of applications and peripherals that will work with Windows Embedded for Point of Service and POS for .NET, Microsoft created a standardized software development kit (SDK) that provides ISVs and systems integrators with a documented set of consistent application programming interfaces (APIs). This ensures application compatibility across WEPOS installations as well as flexibility for developers. It also provides comprehensive programming language support. Windows Embedded for Point of Service can run applications built in virtually any modern development language, including C#, Java, and J#. WEPOS takes full advantage of the Microsoft .NET Framework, an integral component of the Microsoft Windows operating system that provides a programming model and runtime for Web services, Web applications, and smart client applications.

The Windows Embedded for Point of Service operating system is fully compatible with technology built for Windows XP Professional, including existing Windows XP drivers. WEPOS provides binary compatibility with Windows XP Professional and Microsoft Win32® operating system APIs, which eases application development and migration and provides support for Java Virtual Machines.

Plug-n-Play Functionality

Windows Embedded for Point of Service is the first POS environment that provides Plug-n-Play functionality for retail device peripherals such as scanners, cash drawers, and magnetic stripe readers. This makes it easy for retailers running .NET-based POS applications to change peripherals on the fly in support of evolving customer needs. It also ensures that application developers and ISVs developing Plug-n-Play products can deploy these products to retailers running a WEPOS-based solution.

As part of the POS for .NET libraries, Microsoft developed the Common Control Library (CCL). The CCL enables WEPOS-based POS systems running .NET-based POS applications to provide Plug-n-Play support for retail peripherals. The CCL also provides ISVs with a common API into which they can plug their applications. And the CCL enables retailers to manage their POS systems more efficiently by replacing peripherals easily.

The CCL is a Microsoft .NET class library based on UPOS version 1.8. The CCL supports both current and legacy control objects (COs) built to support component object model (COM)-based service objects, and Microsoft plans to update the library as the UPOS standard evolves. CCL supports enumeration of available POS devices, instantiation of service objects, and support for standard management tools. These capabilities ensure that a retailer can create the flexible, reliable, and easy-to-manage solutions that its operations require. CCL even exposes device statistics as PerfMon counters, providing proactive device management capabilities for retail device peripherals. With this, retailers will be able to identify devices in need of servicing prior to their failure, reducing equipment

downtime in the store or restaurant and other possible negative impacts on sales or the customer experience.

Standardized Systems Management

Retailers and retail industry partners can extend existing PC management knowledge to Windows Embedded for Point of Service systems because these systems can be managed in the same way that administrators currently manage PCs on a Microsoft Windows-based network. This enables retailers to maximize their return on investments in existing Microsoft solution deployments.

Microsoft Windows Embedded for Point of Service integrates neatly with other Microsoft solutions for retail enterprises, including:

- Microsoft Windows Server™ operating system
- Microsoft SQL Server™
- Microsoft Systems Management Server (SMS)
- Microsoft Systems Update Services (SUS)
- Microsoft Biztalk® Server
- Microsoft Operations Management Server (MOM)

WEPOS can support legacy retail applications based on the Microsoft MS-DOS® operating system, Microsoft Win32, or Microsoft .NET technologies as well as those based on third-party solutions designed to emulate legacy platforms.

Ensuring Security

Windows Embedded for Point of Service is based on Microsoft Windows XP with Service Pack 2, so it includes powerful security features right out of the box. Native operating system security features include:

- **Windows Logon** provides account and system-level security.
- **Windows Firewall** and **Internet Connection Sharing** provide the latest technologies for device, virus, and intrusion detection.
- **Internet Explorer Hardening Pack** includes pop-up blocking, automated refusal of unsigned ActiveX® controls, and other download monitoring.
- **Role-based security** enables the retailer to associate each individual with a specific job role—and then define, apply, and manage security rules by roles. For example, using role-based security, a retailer can provide all supervisors one level of authority to manage or make changes to one or more POS systems. Employees who are not supervisors but are retail associates,

perhaps, would have no authorization to make changes to the POS system, although they might be authorized to transact a sale or look up an item for a customer.

- **Buffer Overrun Protection** helps prevent specific types of system attacks.
- **Anti-Virus solution support** enables the retail or hospitality organization to select the anti-virus solution that best suits its needs.

Because of its reduced attack surface, Windows Embedded for Point of Service simply does not provide as many opportunities for intruders. The number of places where opportunities for intrusion exist is less than on an operating system with a larger footprint.

System Stability Through Error Reporting

Windows Embedded for Point of Service includes Watson technologies for automatic program error debugging. The information obtained and logged by Watson is the information needed by technical support groups to diagnose a program error for a computer running Windows. A text file (Drwtsn32.log) is created whenever an error is detected, and it can be delivered to support personnel by the method they prefer. Watson technologies also provide the option of creating a crash dump file, which is a binary file that a programmer can load into a debugger. With this tool, the retailer or the retailer's application provider can receive a snapshot of activities that took place just prior to a system shutdown, making rapid diagnostics and system resolution possible.

Preparing for Future Technologies Introduced to the Retail Store

Windows Embedded for Point of Service is designed to empower retailers to deliver the expected customer experiences of today and tomorrow. Key technologies supported by WEPOS include:

- **Internet Browser.** Microsoft Internet Explorer 6 offers a rich Web browsing solution that enables easy deployment of Web-based applications in the retail enterprise.
- **Multimedia.** Full multimedia support through Microsoft Windows Media® technologies provides for new POS terminal usage scenarios in employee training and checkout-lane advertising.
- **Network technology support.** In addition to standard networking protocols such as TCP/IP and Quality of Service Packet Scheduler, WEPOS supports advanced networking technologies such as 802.11x and Bluetooth.

WEPOS also includes technologies to support the full range of POS scenarios such as point of sale, self-checkout, and in-store kiosks, including:

- **Remote Boot** enables a POS system to boot without requiring a persistent storage device, such as a hard drive.

- **Fast user switching** enables multiple users to log on to one system at the same time and switch quickly between their open accounts.
- **Multiusers login** enables the user to set up several different accounts with varying user privileges on the same POS system.
- **Multidisplay support** enables a single POS system to support one display for the customer and another display for the sales associate providing promotional opportunities at the point of service.
- **Remote image monitoring** enables a retail or hospitality organization to monitor a POS system (or network of POS systems) from a connected server.

These technologies help to create a flexible POS environment that retailers can use to interact with, support, and add value to customers in exciting, new ways.

Using Windows Embedded for Point of Service

Windows Embedded for Point of Service is designed to be an easy retail POS environment to setup, use, and service.

Setup and Installation

Windows Embedded for Point of Service setup relies on familiar Windows XP Setup wizards; so setting up the operating system is easy for anyone familiar with setting up Windows XP. The setup system and simplified system configuration features make it easy to customize and install the operating system in a fast-moving retail environment. WEPOS also offers automatic hardware detection and configuration so setup and deployment is done quickly.

Hardware Requirements

A POS terminal running Windows Embedded for Point of Service should be configured with the following hardware requirements in mind:

Hardware	Minimum Requirements	Recommended Configuration
Processor	Pentium II, 233 MHz	Pentium II, 300 MHz or faster
RAM	64 MB RAM	128 MB RAM
Available Storage	280 MB for core image	
Disk support notes	HDD Supported RAMDisk support Wear-leveling flash disk support	

Table 1: Windows Embedded for Point of Service Hardware Requirements

Management Options

Windows Embedded for Point of Service offers retailers a number of distinct management options. Three remote management options enable retailers to manage POS devices easily from an administrator's console. Microsoft Systems Management Server (SMS), Microsoft Software Update Services (SUS), and Microsoft Windows Installer Service options help make sure the retailer can update and secure POS devices easily. The operating system can also support third-party management clients so retailers can easily integrate WEPOS-based POS systems into an existing management environment.

Deployment Options

Windows Embedded for Point of Service can be deployed to point-of-service systems using a variety of methods:

- **CD install** enables an IT manager to install the operating system directly on individual POS systems using an installation CD.
- **Installation from a network share** enables a retailer to post a POS system image to a network share for deployment and installation on the connected point-of-service devices.
- **Remote Installation Services (RIS)** makes it possible to install the operating system from a remote network location. Remote installation is a *pull model* because the client terminal pulls the setup routine/image from the remote installation server. Using RIS, a Windows Embedded for Point of Service device that lacks persistent storage, such as a hard drive, can run using an operating system image stored on a Windows Server or another networked device.
- **Remote Boot technologies** enable the retailer to initiate program load or startup of the operating system from a network location that is not on the point-of-service device. Remote boot is a *push model* because the controller pushes the image to the client terminal.
- **Systems Management Server** provides the capability to package and deploy operating system images using the highly customizable, task-based SMS 2003 infrastructure.

Once the operating system has been deployed, the device can be integrated into the retail network—if one exists—and brought online immediately.

Managing Software Updates

Windows Embedded for Point of Service makes it easy for a retailer to ensure that operating system files are always up to date. For example, the operating system supports:

- **Microsoft Systems Management Server (SMS) client.** The SMS client enables SMS to monitor and manage software updates for a WEPOS-based device. As SMS updates software on the network, the POS systems can be included among the devices that receive appropriate updates automatically. SMS is designed for use in large organizations.
- **Microsoft Software Update Services (SUS).** SUS enables administrators to deploy critical updates to Windows 2000-based, Windows XP-based, Windows Server 2003-based, and WEPOS-based computers on a proactive basis.
- **Microsoft Windows Update.** Just as it does for Windows XP-based desktop systems, Windows Update scans a WEPOS-based POS system to see what updates are required and provides a list of updates tailored just for those required systems. The systems can be configured to install updates automatically, ensuring that the systems remain up to date.
- **Device Update Agent.** The Device Update Agent enables administrators to update a WEPOS image remotely from a store server.

- **Microsoft Windows Installer Service.** Windows Installer Service enables the user to install and configure POS systems and applications efficiently.

Windows Embedded for Point of Service also provides the Windows Management Instrumentation (WMI) interfaces that enable integration between the operating system and many third-party management applications—so it is easy to manage a WEPOS-based POS system in an environment managed by a third-party management system. This results in greater choice for the retailer and greater opportunities to extend existing management knowledge in the organization to the POS network.

Driver Level Support from Within Windows Embedded for Point of Service

Windows Embedded for Point of Service provides native Windows XP peripheral support and support for standard PC device drivers. The WEPOS verification service verifies the compatibility of retail device peripherals that support the POS for .NET implementation of the ARTS UPOS standard. WEPOS also supports older COM-based OPOS as well as JPOS drivers.

Application Compatibility

Microsoft offers an application compatibility verification service that validates the compatibility of applications written for Windows Embedded for Point of Service and POS for .NET. Passing the compatibility tests ensures that an application can run on WEPOS-based POS systems.

How to Get Windows Embedded for Point of Service

Windows Embedded for Point of Service is designed specifically for point-of-service devices. Retail and hospitality organizations can license the operating system through the point-of-service system provider.

A customer purchasing experience from evaluation through device deployment typically involves the two steps that follow.

Step 1. Evaluate the Product

Get the Introductory Kit to evaluate the product. Order this kit from the Microsoft Web site at <http://www.windowseembeddedkit.com/>. With the Introductory Kit, users can install a trial version of Windows Embedded for Point of Service on a point-of-service system. The trial version expires 120 days after installation.

Step 2. License Windows Embedded for Point of Service

When you have completed testing and development and you are ready to deploy the operating system within your retail or hospitality organization, you must acquire runtime licenses and certificates of authenticity from your POS system provider. A listing of Original Equipment Manufacturers that produce point-of-service systems is available on the Microsoft Windows Embedded partner site, <http://www.mswep.com/>.

Conclusion

Microsoft is dedicated to providing effective solutions for the retail and hospitality industries worldwide. For this reason, Microsoft has developed the Windows Embedded for Point of Service operating system that helps make it easy for retailers to create customer experiences that increase revenues while decreasing costs over the life cycle of the POS system.

Windows Embedded for Point of Service is the only POS environment that provides Plug-n-Play functionality for retail device peripherals such as scanners, cash drawers, and magnetic stripe readers. And the WEPOS verification program makes it easy to identify the retail device peripherals and applications that will work with minimized integration with a standard WEPOS-based POS system.

Windows Embedded for Point of Service helps to create the desired customer experiences through the support of technologies such as wireless networking and multimedia. Indeed, it empowers retailers to deliver the desired customer experiences of today *and* tomorrow, with flexible capabilities that go far beyond those of traditional point of sale terminals.

With Windows Embedded for Point of Service, retailers can leverage the investments they have already made in technology, tools, and people. Specifically, the operating system supports standard development, deployment, management, and security technologies used in traditional PC networks.

Because Microsoft has publicly announced that it will support Windows Embedded for Point of Service for 10 years after its initial release, retailers that expect their POS systems to last 7 to 10 years are assured that Microsoft will support their needs for the life of their POS system.

Related Links

The online documentation and context-sensitive Help included with Microsoft Windows Embedded for Point of Service provide comprehensive background information and instructions for using Windows Embedded for Point of Service. To access the online documentation for the operating system, visit the Microsoft Windows Embedded Developer Center at <http://msdn.microsoft.com/embedded>.

For the latest information about the Windows Embedded for Point of Service solution, visit www.microsoft.com/windows/embedded/wepos.