IBM Retail Store Solutions

IBM SurePOS ACE for 4690 OS

Highlights

Designed for today's competitive supermarket environment

- *Superior functionality*
- *High performance*
- *Runs on 4690 OS supported terminals*
- *Unsurpassed reliability*

Customer loyalty program

- *Enables personalized marketing*
- *Supports complex pricing promotions*
- *Graphical screen display for the shopper*

Migration to the future

- *Designed for operating system portability*
- *Built for expansion*
- *Implemented in C++ and Java™*

Graphical screen display for the shopper

- *Non-touch Java graphical user interface (GUI)*
- *Shows customer receipt, subtotal and scale weight displays*
- *Includes two areas for advertising space*

Function-rich solution
IBM SurePOS™ Application Client/Server Environment (ACE) for 4690 OS provides a function-rich solution for supermarket and hypermarket retailers. It combines many functions, including checkout support, electronic marketing, data maintenance, miscellaneous account management and other accounting processes into a single comprehensive package designed for supermarkets.

Performance is the key
SurePOS ACE can help you optimize your profits by providing high throughput at your checkstands. The front-end application can process up to 90,000 items per hour and provide price lookups in a fraction of a second. Cashiers can handle a multitude of tenders including foreign currency, food stamps, Women and Infant Children (WIC), Electronic Benefits Transfer (EBT), checks and much more.

Improved user interface
You can move quickly and easily through application functions such as Accounting, Reports, Data Maintenance, Delayed Data Maintenance and Manager Procedures by way of the SurePOS ACE interface. Key and mouse support (or a combination of the two) further enhance the interface and provide navigational flexibility.

Exceptional reliability
SurePOS ACE is designed to run on the IBM 4690 Operating System, one of the retail industry's most reliable and proven platforms. This can provide an extremely high level of system uptime in your stores.

Helps protect your current and future investments
SurePOS ACE is designed with existing IBM 4680-4690 Supermarket Application (SA) customers in mind. The product installation utilities allow you to preserve and migrate most of your existing data and utilize the same transaction keying sequences. These were just a few of the key design elements carefully crafted for our newest supermarket product.

SurePOS ACE supports existing IBM 4683, 4693 and 4694 POS terminals, as well as the new IBM SurePOS 700 Series, to help protect your investment in your existing hardware installations. You can upgrade to new functions and an open environment while preserving most of your existing hardware. The object-oriented design of the system facilitates extension to take advantage of future emerging technologies. SurePOS ACE is also designed for portability to other retail operating systems in the future.

Features	*Benefits*
Function-rich supermarket solution	Provides the flexibility and customized support required in today's supermarket environment
Object-oriented application using C++ and Java	Facilitates addition of your custom functions and extensions
Integrated customer loyalty program	Allows you to reward repeat customers and help attract new business through preferred customer and points programs
Graphical User Interface (GUI) display for the shopper	Implemented in Java Retailers can vary the size, color and font for the different areas of the screen (advertising, receipt, subtotal area, customer 2x20 display) Provides greater flexibility for retailers to extend their POS systems with the latest and greatest solutions
Customized logo printing	Allows customers to print specialized logos on the header and trailer of the customer's receipt, using IBM SureMark POS Printers
Designed for migration	Moving from current IBM Supermarket Applications is made easier by SurePOS ACE's support of existing functions, data formats and cashier interfaces
Electronic payment support (IBM SurePOS ACE EPS for 4690 OS–#5799-RHG)	Handles multiple tenders, such as foreign currency, food stamps, WIC, EBT and checks SurePOS ACE EPS now supports pre-paid gift and phone cards, which can help generate new streams of revenue
Enhanced item movement tracking	Tracks item sales daily up to 91 days, weekly up to 104 weeks in realtime; specifies which files to report
Unattended store closing	Performs store close at the most convenient time, including off-peak hours, with no operator initiation or intervention

The integrated Electronic Payment Support (EPS) now uses the standard PIN pad load currently supplied by PIN pad manufacturers and used by the Electronic Funds Transfer (EFT) feature of the 4680-4690 Supermarket Application. This enhancement simplifies the migration to ACE/EPS and protects your investment in PIN pad devices and training.

Hundreds of checkout functions

SurePOS ACE performs most of the functions provided by the IBM Supermarket Application – and much more. Supported functions include post-printing of receipts; electronic journaling; restricted sales and age verification; Catalina coupon support; coupon multiplication management; UCC Bypass Family Code 992; support for Telepanel electronic shelf-labels; foreign currency; GST/VAT tax; full-screen video; a graphical display for shoppers; and optional integrated full-function Electronic Payment Support (EPS).

Electronic marketing

IBM designed SurePOS ACE to perform many of the functions offered by the IBM 4680 Supermarket Electronic Marketing Support offering as well as a large number of new functions specifically requested by 4680-4690 SA customers. The electronic marketing functions help you execute complex pricing promotions, as well as manage preferred shopper programs with secondary points periods, separate point clubs by item, multiple-club items and fraud protection.

Designed for retailers

SurePOS ACE is designed to provide reliable operation in extremely demanding supermarket environments, with a flexible architecture that enables your programmers, Business Partners or IBM to add new code or modify existing functions. It offers an efficient migration path from IBM SA, as well as simplified installation, operation, maintenance and customization.

Reports to manage your business

SurePOS ACE provides all of the reports previously available with 4680-4690 SA and several more to meet specific customer requests. All reports are accessed from the reports menu, customizable to suit your particular business needs. Reports include sales, performance, data maintenance, electronic marketing, item movement and many others.

You have your choice of store cash reports, department analysis, item movement, and terminal or cashier productivity reports on a daily or weekly basis. The Reports function also allows you to create and edit report scripts. Each script can contain those reports you run on a regular basis. Once created, a report script can be run at the touch of a button. In addition to these reports, you can access Selective Item and Selective Customer reports through the Manager's Procedures Menu for ad hoc reporting.

Store manager tools

A popular set of management tools previously available with the IBM 4680-4690 SA is accessed through the Manager's Procedures Menu. In addition, the Selective Item Report is seamlessly integrated into SurePOS ACE.

- Terminal Monitor: Monitor the activities of any active terminal in your store. You can actively view the actions of any cashier at any terminal
- Selective Item Report: Access the Item Reporting and Maintenance Workbench to quickly build item movement lists and create batches to update item prices and other attributes
- Electronic Journal: By specifying the search criteria, you can create summary reports from previously stored transaction logs
- Exception Log Report: A customizable report that allows you to track activities such as voids, refunds and other important business activities
- View Summary Journals: Search, view and print electronic summary journals by date or terminal

Advanced security

SurePOS ACE provides many security options, including:

- Encrypted operator passwords, which can restrict specific application functions such as personalization and accounting
- Multitiered overrides, which provide another level of security that enables cashiers and managers to override specific operations only up to limits that are specified in personalization
- Change Password, which enables you to easily control passwords and enables cashiers to change their own passwords
- Authorization control of files – all the way down to individual fields – in data maintenance
- Support for Drug Enforcement Agency (DEA) flags that restrict item sale

Comprehensive online help

Need a reminder about how to complete or start a controller operation, or more information about a specific personalization option? SurePOS ACE now includes a complete panel-level help system to speed you through your tasks. The help system is easily tailored should you decide to modify the application to suit your specialized business needs.

Adding customized functions

Adding your own specialized functions to existing applications can be an expensive and time-consuming prospect. To make it easier to add new function quickly, SurePOS ACE has been developed using modern tools and technology, such as C++ and Java with object-oriented techniques.

A Developer's Toolkit has been created that enables your programmers, Business Partners and IBM to quickly modify function and add new code. This toolkit provides a means to speed new function to your stores to assist you in minimizing your costs.

This toolkit includes SurePOS ACE development files, build tools and a POS device simulator to allow you to thoroughly test your new code. The toolkit operates in a Microsoft® Windows NT® environment and provides DOS and Windows NT build tools.

Tracking your money

Cash flow is monitored through the SurePOS ACE Accounting functions. These allow you to keep precise totals of the tender by variety that flows in and out of your stores. You can choose predefined daily or weekly accounting periods, or define your own time span for an accounting period.

Track your totals based on specific cashiers, terminals or both. Loans, pickups and tender counts are managed through the comprehensive Accounts Management View function.

Line item and department discounts can also be tracked to provide a more accurate picture of individual department sales figures.

To ease the setup and operation of Miscellaneous Accounts, Accounting includes the Miscellaneous Accounts Maintenance Workbench. This Workbench enables you to establish accounts for paying local delivery vendors and setting up deposit accounts for your local banks.

Electronic Payment Support

SurePOS ACE EPS now supports pre-paid gift and phone cards, both of which can create new streams of revenue for your stores. These cards can be purchased and activated in the lane, using an MSR or PIN pad. Electronic tender support, such as credit, debit, Automated Clearing House and EBT can be provided in a variety of ways to best match your business needs. Contact the IBM NRSC to create a customized payment solution, to integrate an existing third party electronic payment package or to customize the IBM SurePOS ACE Electronic Payment Support application.

World-class retail services

The IBM North America Retail Services Center (NRSC) can assist you with virtually any system need you may have for your business, including system design and development, customization and personalization, system integration and testing, installation and rollout, and Help Desk.

IBM SurePOS ACE application at a glance	
Description	A function-rich checkout application that affords reliable, streamlined operation for supermarket and hypermarket retailers, while leveraging future growth and past investments
Hardware and Operating System Requirements	SurePOS ACE will run with the IBM 4683, 4693 and 4694 terminals with 4 MB of memory In addition, this memory will support a satellite terminal The minimum 4690 OS controller for SurePOS ACE is a Pentium-class 90 MHz processor, with 32 MB of memory The terminals operate under the IBM 4690 OS Version 1, Terminal Services for NT or 4690 OS Version 2 To utilize the customer GUI feature, it will require the IBM 4690 OS Version 2, Release 2 and a minimum 4694-244 P166 POS terminal with 32 MB of RAM
As a server	Machines running the IBM 4690 OS, Version 1 or Version 2
As a client (See the product specification for a complete list of prerequisites)	• IBM 4683 (minimum 4 MB memory, independent of attachment of a satellite 4683) • IBM 4683 Satellite (mod 2) attached to IBM 4683 (where the "master" 4683 has 4 MB of memory) • IBM 4693 (minimum 8 MB memory) • IBM 4694 (minimum 4 MB memory)
Displays	• 2x20 alphanumeric display • Full-screen video: Parameter values for the operation of the Customer GUI must be chosen from a list of valid values found in the SV.INI file or the display results may be unpredictable • Supported screen resolutions: 640x480, 800x600, 1024x768 • Can be used if supported by the video display
Scanners	• Scanner/wand • Scanner/scale
Keyboards	• Alphanumeric POS keyboard • 50-key POS keyboard • 1/2/3 track keyboard MSR
Printers	• Model 2/3/4 POS printers • Model 4610 SureMark POS printer, models TI1, TI2, TI3 and TI4
Additional POS I/O options	• Hard totals (totals retention) • Cash drawer (dual support) • Integrated MICR reader • Serial (RS232 or RS485) attached PIN Pad • Scale (integrated and RS232) • Programmable power
Warranty/Service	SurePOS ACE is designed to meet IBM's high standards of quality and reliability. The software is backed by IBM's Program Product Warranty and has a two-month test period allowance. For specific information, contact your IBM representative or IBM Business Partner

For more information

To learn more about the IBM SurePOS ACE for 4690 OS or other IBM POS solutions, contact your local IBM representative or find us on the Web at www.ibm.com/industries/retail/store

To place an order, call 1 800 IBM-CALL (1 800 426-2255) or 1 770 863-1000 outside the U.S. and Canada.

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