



IBM 4690 Operating System Version 3 Release 2



Highlights

- *Supports optional dual displays at the POS and the 14-digit item code*
- *Provides a solid platform for e-business applications, including many developed for the Java 2™ specification*
- *Delivers the versatility and functionality you expect, with the reliability and investment protection you demand*

The right OS for retailers

Created specifically for the retail industry, the IBM 4690 Operating System Version 3 Release 2 provides the foundation you need to support a wide range of e-business strategies in your stores. It scales to any size retail environment, from independent boutiques to large mass merchandisers. It also allows retailers to run a pure Java Web browser at the point of sale (POS), so you can access traditional POS software side-by-side with advanced applications for e-business to help improve productivity and customer service.

Built-in Java capabilities

Versatile Java applications allow you to customise the POS, differentiate your stores and increase e-business opportunities. That is why the IBM 4690 OS V3 R2 provides a comprehensive, reliable platform for Java applications.

It includes a Java Runtime Environment (JRE) to allow you to incorporate networking and graphics, and use these functions on a variety of clients and servers. It offers Java 2 support so you can take advantage of POS applications written to the Java 2 specification. In fact, it supports the 1.4 Java Virtual Machine, including the Just In Time (JIT) compiler. It also includes a Java 2 Software Development Kit (SDK) for modifying code from the 4690 controller.

Complete technology currency

The IBM 4690 OS V3 R2 includes a number of enhancements to help keep your stores current with emerging retail technology standards. It supports optional dual displays, so you can run an interactive touchscreen GUI operator display and an output-only customer display at the POS. The customer display is ideal for scrolling receipts and targeted advertising, and is an outstanding tool for improving customer service during checkout. The IBM 4690 OS V3 R2 is also designed to support the 14-digit item code, including Reduced Space Symbology (RSS), in accordance with Uniform Code Council (UCC) guidelines.¹

Solid investment protection

The IBM 4690 OS V3 R2 provides exceptional investment protection. It supports existing hardware and software as well as new models of the IBM SurePOS™ 4694 and IBM SurePOS 700 Series, which can run side-by-side, writing transaction data to the same log. By enabling access to multiple programs at the POS, the IBM 4690 OS V3 R2 helps reduce the need for additional workstations. You can even add a Java GUI to proven POS applications to help improve ease of use and reduce training time.

Lower total cost of ownership

The IBM 4690 OS V3 R2 supports thin-client computing, which helps to minimise hardware cost while maintaining reliability. The thin-client model does not use a hard disk drive, so it reduces the amount of hardware and memory used at the POS. Store clients are automatically loaded and maintained by the server, which helps keep support costs down. The IBM 4690 OS V3 R2 is also shipped with the IBM 4690 OS agent for Tivoli® Point of Sale Manager, so you can take the next step towards centralised systems management.

Robust, reliable performance

The IBM 4690 OS V3 R2 delivers the retail-hardened performance you expect from a worldwide leader in POS technology. Task prioritisation and multiuser/multitasking capabilities keep store operations moving swiftly. Non-volatile memory helps protect disk writes at the server. And multiple servers can back each other up to ensure checkout is not interrupted. In fact, Java and traditional POS applications will continue to operate in terminal offline mode if server connectivity is lost. As a result, your POS applications run in a reliable environment with high-level availability to help keep customer satisfaction high.



IBM 4690 Operating System Version 3 Release 2 at a glance

Enhancements in Version 3 Release 2

- Supports optional dual displays, increasing opportunities to engage the customer during checkout. You can add an operator display that is an interactive, input/output source that can be configured for touchscreen or non-touch operation. The optional customer display is an output source only, exclusively for Java applications
- Designed to support the 14-digit item code, including RSS, in accordance with UCC guidelines, so retailers can quickly implement new barcode standards
- Supports Java 2, including the 1.4 Java Virtual Machine, Java 2 SDK and the JIT compiler, which allows IBM Business Partners to develop new Java applications and gives retailers more choices for POS software
- Supports up to 1 GB of RAM in the controller to improve application performance and increase available memory for running multiple applications simultaneously
- Enhanced PXE bootstrap improves overall consistency of PXE functionality, and supports larger OS images
- BIOS flash message provides feedback to operator during the Initial Program Load
- Supports 1.3 GB optical drive media for controller backup

4690 OS V3 R2 supported terminals ²	Dual display supported	JRE supported	Memory requirements ³
IBM SurePOS 700 Series ⁴ Model 750, 752, 753	Yes	Yes	64 – 256 MB
IBM SurePOS 700 Series ⁵ Models 730, 732, 733	Yes	Yes	32 – 256 MB
IBM SurePOS 4694 POS System Models 307, 347	Yes	Yes	64 – 256 MB
IBM SurePOS 4694 POS System Models 244 ⁶ , 205, 245, 206, 246, 207, 247	Yes	Yes	32 – 256 MB
IBM SurePOS 4694 POS System Models 104, 144, 154 ⁷ , 106, 146	–	–	–
IBM SurePOS 4694 POS System Models 004, 044	–	–	–
IBM SurePOS 4693 POS System	–	–	–
IBM SurePOS 4683 POS System	–	–	–

¹ The 4690 Supermarket Application and IBM SurePOS ACE for 4690 do not currently support the use of RSS labels for price look-up operations.

² The IBM 4690 OS V3 R2 supports all the terminals listed here, any of which can run existing 4690 applications. Please note that only the IBM SurePOS 700 Series and select models of the IBM SurePOS 4694 POS System can run Java applications.

³ Processor and memory requirements in the terminals and controllers are dependent upon the needs of the Java applications being utilised.

⁴ When configured as a controller or a controller/terminal, the SurePOS 75X requires a PCI NVRAM card.

⁵ The SurePOS 73X is only supported as a terminal.

⁶ The SurePOS 4694-2X4 does not support dual display functionality.

⁷ The SurePOS 4694-154 is a Japan-specific terminal.



Find out more today

To learn more about how IBM 4690 OS V3 R2 can help you establish a solid foundation for in-store e-business, please contact your IBM representative or find us on the Web at:

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.

© Copyright IBM Corporation 2003.
All Rights Reserved.

IBM Corporation
Department C6PA
5601 Six Forks Road
Raleigh, NC 27609

Printed in the United States of America
01-03

All offers subject to availability. References in this publication to IBM products or services do not imply that IBM intends to make them available in all countries in which IBM operates. Copying or downloading the images contained in this document is expressly prohibited without the written consent of IBM.

IBM assumes no responsibility or liability for any use of the information contained herein. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of IBM or third parties. No warranties of any kind including but not limited to the implied warranties of merchantability or fitness for a particular purpose are offered in this document. IBM is not responsible for photographic or typographic errors.

IBM will continue to enhance products and services as new technologies emerge. Therefore, IBM reserves the right to alter specifications and other product information at any time without prior notice. Please contact your IBM marketing representative or an authorized reseller for information on specific standard configuration and options.

© The e (logo), IBM, the IBM logo, SureOne, SurePoint, SurePOS and Tivoli are trademarks or registered trademarks of International Business Machines Corporation in the United States and/or other countries.

™ Java and all Java-based trademarks and logos are trademarks of Sun Microsystems, Inc. in the United States and/or other countries.

Other company, product and service names may be trademarks or service marks of others.

1 The IBM home page on the Internet can be found at **ibm.com**

♻️ Printed on recycled paper containing 10% recovered post-consumer fiber.

Front page shows the ICESoft Browser on the IBM SurePOS 700 system.

Page 2 shows the SureVision operator display and the IBM SurePOS ACE for 4690 OS customer display on IBM SurePoint™ solutions.



G580-0134-04