

The operating system designed specifically for retail



IBM 4690 Operating System Version 3



Highlights

- *Provides a solid platform for the latest e-business applications, including those developed for the Java 2® specification*
- *Delivers the versatility and functionality you expect, with the reliability and investment protection you demand*
- *Supports a wide range of hardware and peripherals, including the latest retail solutions from IBM*

The right OS for retailers

Created specifically for the retail industry, the IBM 4690 Operating System Version 3 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. And it 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 the latest applications for e-business. With a single access point to applications for the Internet, intranet, extranet, POS and back-office, sales associates and managers can make significant improvements in productivity and customer service.

Built-in Java capabilities

The IBM 4690 OS V3 includes a Java Runtime Environment (JRE), so you can incorporate networking and graphical capabilities at any time – and use these functions on a wide variety of clients and servers. Versatile Java applications also allow you to customize the POS for your store. With the rapidly growing number of Java developers, there are more skilled resources than ever to help you do this. Which means you can take advantage of customized and off-the-shelf Java applications, as well as the latest POS software from IBM and IBM Business Partners.

NEW Java features for Version 3

Full Java 2 support allows you to take advantage of the latest POS applications written to the Java 2 specification. The enhanced Java I/O Processor and Device Manager enable greater functionality for a GUI front-end on legacy applications. Retailers can also run more than one Java application at the POS without integrating the applications. And Java and graphics capabilities can be extended to Double Byte Character Set (DBCS) environments.



Solid investment protection

The IBM 4690 OS V3 delivers strong investment protection. It supports legacy hardware and software as well as new POS systems. Existing and new hardware can run side-by-side, writing transaction data to the same log, with the same level of integrity. By enabling operators to access multiple programs from the POS, the IBM 4690 OS V3 can reduce the need for additional workstations. You can add a Java-based GUI to proven POS applications, while reusing the business logic. This extends the life of trusted applications and makes the POS more user-friendly, which can reduce employee training time. The IBM 4690 OS V3 also supports USB technology, including hot plugging of 4690 OS-supported USB peripherals.

Lower total cost of ownership

The IBM 4690 OS V3 supports thin-client computing, which minimizes hardware cost while protecting reliability. The thin-client model not only dramatically reduces hardware requirements with no mandatory hard disk drive, it minimizes memory requirements. Store clients are automatically loaded and maintained by the server, which helps keep support costs down. Plus, the IBM 4690 OS V3 is shipped with Tivoli™ software, so you can take the next step toward centralized systems management.

Robust, reliable performance

The IBM 4690 OS V3 delivers the same retail-hardened performance that makes IBM the worldwide POS leader. Task prioritization and multi-user/multi-tasking capabilities keep store operations moving swiftly. Non-volatile memory protects 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 the high-level availability you need to maintain customer satisfaction.



IBM 4690 Operating System Version 3 at a glance

Enhancements in Version 3

- Supports Java 2 applications and offers a Just-in-Time (JIT) compiler
- Supports routable terminal-controller communications over TCP/IP for easier management
- Supports multiple concurrent Java applications at the POS
- Adds support for the latest models of the IBM SurePOS 700™ Series and the IBM SurePOS 4694 System with updated processors and embedded chip sets
- Enhanced Device Manager and Java I/O Processor help extend the capabilities of a Java GUI running with a 4690 legacy application
- Supports parallel port devices for Java applications, increasing peripheral choices
- Enhanced DBCS¹ support, adding Java and graphics capabilities for retailers operating in Korea, Japan and Taiwan

4690 OS V3 Supported Terminals ²	JRE Supported	Memory Requirements ³
IBM SurePOS 700 Series ⁴ Model 750	Yes	64 – 256 MB
IBM SurePOS 700 Series ⁵ Models 730, 732, 733	Yes	32 – 256 MB
IBM SurePOS 4694 System Models 307, 347	Yes	64 – 256 MB
IBM SurePOS 4694 System Models 244, 205, 245, 206, 246, 207, 247	Yes	32 – 256 MB
IBM SurePOS 4694 System Models 104, 144, 154 ⁶ , 106, 146	–	–
IBM SurePOS 4694 System Models 004, 044	–	–
IBM SurePOS 4693 System	–	–
IBM SurePOS 4683 System	–	–

¹ Double-byte language packages are available via CD-ROM only.

² The IBM 4690 OS Version 3 supports all the terminals listed here, any of which can run legacy 4690 applications. Please note, only those terminals with a Yes in the JRE Supported column can run Java applications.

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

⁴ When configured as a controller or a controller/terminal, the SurePOS 750 requires a PCI NVRAM card.

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

⁶ The SurePOS 4694-154 is a Japan-specific terminal.



Find out more today

To learn more about how IBM 4690 OS V3 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.

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Front page shows IBM SureVision on the IBM SurePOS 700 system.

Page 2 shows IBM StoreFlow™ POS for Java on the IBM SurePoint™ solution with optional speaker and MSR.