



IBM 4690 Operating System

Highlights

- ***Provides a strong platform for retail, with a single, convenient access point for POS, back-office and Web-based applications***
- ***Includes new security features, including complex passwords, to help protect store data and maintain network security***
- ***Offers broad-based hardware and software support, so retailers can add new capabilities while protecting IT investments***

A smart platform for retail

The IBM 4690 Operating System (OS) is widely recognized for its high functionality and outstanding reliability. Version 5 builds on this reputation. It helps provide a secure and easy-to-manage platform for on demand retail environments. Version 5 works well in stores of different sizes and segments. It also enables retailers to run point-of-sale (POS) and e-business software side-by-side on a variety of hardware. This creates a single, convenient access point for POS, back-office and Web-based applications, which empowers your teams to help improve productivity and customer service storewide. Version 5 also maintains tight compatibility with the IBM Store Integration Framework, a unified

integration environment that can help speed rollout of new hardware and software and helps retailers manage store and customer data in realtime.

Advanced security

Version 5 employs advanced security features to help protect store data and establish secure network communications. Complex passwords give retailers options to help strengthen controller security. Configurable rules determine how passwords are constructed and how often they are changed, which helps retailers comply with the Payment Card Industry Data Security Standard (PCI-DSS). Forced sign-off provides additional protection for unattended POS controllers. IPSec, or IP security, helps ensure secure Internet communications and helps protect the network with authorization and encryption at the packet level. Using robust Secure Shell (SSH) technology, Version 5 also enables secure remote logon and file transfer via secure Telnet and Secure FTP (SFTP).

Built-in Java capabilities

Version 5 supports Java 2™, including the Java Virtual Machine Version 1.4.2. This enables retailers to deploy Java extensions to IBM applications, use Java applications developed by independent software providers, and make use of a large, growing pool of Java programming talent.

Solid investment protection

The IBM 4690 OS supports a wide variety of hardware, peripherals and software, as well as POS systems from IBM, including all models of the IBM SurePOS™ 700 Series. Broad-based support helps protect your IT investment, because it helps enable retailers to retain current hardware and software, take advantage of more advanced technology as it becomes available, and run everything on the same operating system. In other words, Version 5 is designed to allow retailers to operate on demand, adding new capabilities at the right time, without replacing equipment or disrupting the store.

Lower total cost of ownership

The IBM 4690 OS helps reduce total cost of ownership three ways. It supports thin-client architectures, which minimize hardware costs with low memory requirements and no mandatory hard disk. Plus, in the thin-client model, store clients are automatically loaded and maintained by the controller, which helps keep support costs down. Second, Version 5 allows you to run current and new hardware side-by-side, writing transaction data to the same log with the same high level of integrity. Version 5 also empowers your teams to access multiple applications at the POS, reducing the need for additional workstations. Finally, Version 5 is designed to support centralized systems management with its newly integrated functionality with IBM Remote Management Agent (RMA).

Proven reliability in retail

Version 5 helps POS applications run with the high-level availability retailers need to maintain customer satisfaction. For example, traditional and Java applications can both run in terminal offline mode if the connection to the controller is lost. In addition, task prioritization and multiuser/multitasking capabilities help keep store operations moving swiftly. Version 5 also uses nonvolatile memory to help protect the integrity of store data on controllers and terminals in case of power loss or network interruptions. To help provide uninterrupted checkout, multiple controllers can back each other up for increased redundancy.



IBM 4690 Operating System Version 5 at a glance

Enhancements in Version 5

- Includes new data security features: complex password management and forced sign-off for unattended controllers¹
- Helps provide secure network communications with IP security, secure Telnet and SFTP
- Supports controller-to-controller communications (CCC) over IP, which makes it possible for one controller to access resources (such as files, pipes and printers) on another controller as if they were local resources
- Supports new daylight savings time standard
- Supports dual touch displays for the POS operator and shopper
- Adds an option to disable write/verify feature, which helps improve drive performance
- Increases serial buffer size and speed for greater application flexibility
- Supports event forwarding to RMA systems management software for centralized control of the store

IBM POS terminals	IBM 4690 OS Version 5 supported ²	Java Runtime Environment supported	Memory requirements ³
IBM SurePOS 700 Series All models ⁴	Yes	Yes	128-512MB
IBM SurePOS 4694 System Models 307, 347	Yes	Yes	128-512MB
IBM SurePOS 4694 System Model 244	Yes	Yes	128-256MB
IBM SurePOS 4694 System Models 205, 245, 206, 246, 207, 247	Yes	Yes	128-512MB
IBM SurePOS 4694 System Models 104 ⁵ , 144 ⁵ , 154 ^{5,6} , 106 ⁵ , 146 ⁵	Yes	–	–
IBM SurePOS 4694 System Models 004 ⁵ , 044 ⁵	Yes	–	–
IBM SurePOS 4693 System ⁵	Yes	–	–
IBM SurePOS 4683 System ⁵	Yes	–	–

¹ Customer is responsible for evaluation, selection and implementation of security features, administrative procedures and appropriate controls.

² The IBM 4690 OS Version 5 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 utilized.

⁴ The SurePOS 73X is only supported as a terminal. When configured as a controller or a controller/terminal, the SurePOS 75X requires a PCI NVRAM card.

⁵ These models may not be configured as controller/terminals.

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



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