

For greater manageability and choice



IBM 4690 Operating System Version 2

Highlights

Incorporates Java programming capability

Delivers application transparency and portability

Allows greater application selection

Broadens choice of qualified developers

Protects retailer's investment

Supports current hardware and application software

Enables enhancement of current applications with Java extensions

Lowers total cost of ownership

Supports a variety of hardware

Controls system-management complexity

Enables "write once, run anywhere" capability

Designed for retail

Builds on IBM 4690 OS reliability—retail hardened

Supports maximum availability for demanding store hours

Provides scalability to suit individual store environments

Positions for future hardware and software retail offerings

Protects data

Supports the new European currency—the euro

Open for business and ready to grow

When your business is your store, IBM helps advance the business of your store. The IBM 4690 Operating System Version 2 is designed to assist you in ensuring cost-effective expansion, whether locally or globally. It brings you the flexibility you need by combining the reality-proven ruggedness of the 4690 with the Java™ Compatible runtime environment, which permits writing applications once and running them anywhere. The IBM 4690 OS V2 builds on IBM's leadership in retail by continuing to deliver high reliability and investment protection for competitive advantage.



Java Compatibility is available for both the server and the client. One great benefit of this new Java Compatibility is the ability to add graphics to existing, retail-proven 4690 applications. Thus, a modern graphical front-end can be presented to cashiers without any alteration of the underlying, mission-critical, business logic of existing programs.

As retail grows more competitive, a key area for profitable differentiation lies in the ability to customize store operations. IBM 4690 OS V2 greatly extends this customization capability by allowing the flexibility to support Java applications.

Perhaps the most critical benefit of the Java Compatible runtime environment is that it enables you to incorporate more networking and graphical capabilities over time and then utilize these functions on a wide variety of clients and servers. IBM 4690 OS V2 with Java Compatibility thus provides you with a strong bridge between existing store systems and the rapidly evolving store applications of the future. This open solution ensures reliability, investment protection and future adaptability.

Strength and flexibility for competitive advantage

The IBM 4690 OS V2 focuses on the total store environment and offers a wide range of solutions to meet the relentless challenges in store operations. The 4690 OS V2 incorporates the same "retail-hardened" capability that has made the 4690 Operating System the worldwide leader for point of sale (POS).

When you need faster checkout as well as more function, the 4690 OS V2 is ready and able, whether you operate a small store or a large chain with many registers. The task prioritization and multiuser/multitasking capabilities of the 4690 OS V2 keep store operations humming. In addition, a keyed file access for price lookup enables your sales associates to process customer orders in the most efficient way possible.

Reliability, crucial in the retail environment, is realized by the 4690 OS V2 system through multiple levels of backup not found in other retail operating systems. All disk writes at the server are protected; even in the event of power outages, data loss is virtually eliminated. Multiple servers can back each other up to ensure no interruption of checkout due to server failure. The 4690 OS V2 enables an application to execute in offline mode if the server is not available, continuing to support checkout, including price lookup.

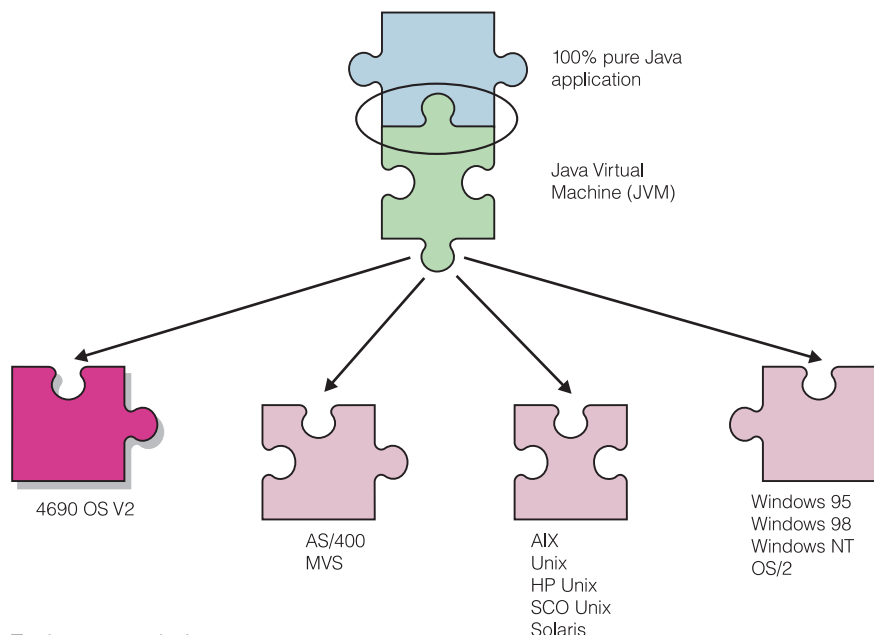
With its modular design, the 4690 OS V2 lets you tailor your system to meet specific and competitive requirements for store operations. Multiple LAN options including Ethernet, Token Ring and Store Loop can accommodate any network requirement for the store. Wireless client/server attachment enables maximum flexibility in locating, adding and deleting checkout stations to meet customer demands. Network configurations are extremely important in the mission-critical business of retail; the hooks to headquarters and the speed of supply chain transactions can make the difference in terms of customer service, retail differentiation and financial returns. The flexibility of these features in the 4690 OS V2 allows you to choose the most cost-effective and revenue-enhancing solution for your business needs.

IBM is with you—through thick and thin

The IBM 4690 OS V2 continues the thin client implementation provided by the 4690 OS. This affords minimum hardware cost while protecting reliability. And it enables the 4690 OS V2 to provide a very cost-effective solution because of reduced hardware requirements, such as not requiring a hard disk drive or increased memory (if not using JVM).

One of the largest business challenges facing growing retailers is managing across the enterprise. The 4690 OS V2 network computing model minimizes the cost and complexity of system management, particularly with a variety of POS and in-store processors. Store clients are automatically loaded and maintained by the server, helping to contain the cost of support staff. Thin client technology lets your employees focus on customers and the business of the store, not on the need to become more technically expert.

If you want a Windows NT® environment (thick client), the 4690 OS V2 can operate in a LAN environment with Windows NT running at either the server or the client through the use of IBM's Distributed Data Services/Controller Services Feature for Windows NT or IBM's Terminal Services for Windows NT.



Environment choices

IBM 4690 OS V2 at a glance

System-Supported Terminals**4690 OS V2****4690 OS V2 with JVM**

	<i>Supported</i>	<i>Minimum Memory</i>	<i>Supported</i>	<i>Minimum Memory</i>
4683 (286)	Yes	1 MB	No	-
4693-321 (386)	Yes	2 MB	No	-
4693-321 (486)	Yes	2 MB	Limited	16 MB
4693-421, 541	Yes	2 MB	Limited	16 MB
4693-741	Yes	2 MB	Yes	16 MB
4694-104, 144, 244	Yes	2 MB	Yes	16 MB

Note: In general, the Java environment requires currently supported controllers running the IBM 4690 OS to add an additional 12-MB minimum of memory.

Networks Supported

Ethernet
IBM Token-Ring
IBM Store Loop
Symbol wireless

Application Software Supported

General Sales Application
Supermarket Application
Chain Drug Sales
Specialty Store Application
SUREPOS™ Application Client/Server Environment (North America only)

**Additional 4690 Functions
Included in Base**

TCP/IP for 4690 Controllers and Terminals
Symbol Spectrum 24 Wireless
Communications Dynamic Switching
'C' API in the Controller and Terminal
Additional 3270 Sessions
Locally Administered LAN Addresses
Event Log Access
Optical Drive Support (IBM and OEM)
Remote Time Management
Save/Restore Distribution Attributes (Backup Utility)
On-line System Probe
Store Unique Configuration File
Destination Service Access Point
Touch for 4690 Applications
Token Ring and Ethernet on same controller
Seagate TapeStor 8000 TR/4 Tape Drive
IBM TR/4 Tape Drive
XE Editor for 4680-4690

**Optional Priced Features
(can be ordered separately)**

Communications feature for Central Office communications
Distributed Data Management feature for data accessibility
LAN TCC feature for terminal to controller communications (Ethernets and Token Rings)
Loop TCC feature for store loop terminal to controller communications
Multiple Controller Feature for horizontal server scalability
Terminal feature for horizontal terminal scalability

Position your business for the future

Developing state-of-the-art checkout and back-office applications is now easier with the 4690 OS V2. You also get the proven reliability of the 4690 OS. Building a retail development team today to implement Java will help you get ahead and stay ahead of competition. And, with the growing number of Java developers, there are more skilled resources to address store business needs. Take advantage of the increasing availability of off-the-shelf Java applications and your own custom-written solutions and you may lead the way in expanding your business operations and profitability.

Simple migration

It's easy to migrate to the 4690 OS V2 from the 4690 OS with specially designed upgrade code. The migration is similar to applying a new maintenance release. Migration can be handled remotely from the central office. No store visits are necessary!

By installing the IBM 4690 OS V2 today, you will be prepared to take advantage of the technologies of the future, while maximizing your existing investments.

For more information

To find out more about 4690 OS V2:

- Contact your IBM representative or authorized Business Partner
- For sales assistance in North America call 1 800 IBM-4YOU (1 800 426-4968)
- To place an order in North America, call 1 800 IBM-CALL (1 800 426-2255)
- For sales assistance in Europe, the Middle East and Africa, call 33 1 41 88 60 00.

You can also access IBM Retail at www.ibm.com/solutions/retail.

Obtain copies of this and other related product specification sheets from the IBM Fax Information Service by dialing 1 800 IBM-4FAX (1 800 426-4329) in North America or by dialing 1 415 855-4329 from outside the US and Canada and requesting the document number 9814: IBM 4690 OS V2.



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Printed in the United States of America
1-99
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G224-4578-01