

Be among the first to develop software applications for Microsoft's OS/2.

The Microsoft Operating System/2 Software Development Kit is a comprehensive set of pre-final release (beta test) versions of Microsoft's new system software for Intel® 80286- and 80386-based personal computers. It provides application software developers with early access to this new environment and an opportunity to begin designing and writing applications for MS OS/2™ before it becomes generally available to end users.

The kit includes every component you'll need.

The MS OS/2 Software Development Kit contains all the components a developer needs to write applications for this new environment. It includes the new operating system, Microsoft Operating System/2 with the presentation manager, and the Microsoft LAN Manager, an advanced local area network (LAN) product. The MS OS/2 Kit also contains new versions of Microsoft C Optimizing Compiler and Microsoft Macro Assembler to construct either real-mode applications written for MS-DOS® (and IBM® PC DOS) or protected-mode applications written for MS OS/2. Both of these languages run in either real mode or protected mode. The kit also includes the Windows Software Development Kit and Windows retail product at no additional charge. Use these products to build presentation manager application prototypes in real mode.

Learn directly from the developers of OS/2.

Development software, DIAL subscription... PLUS the Dallas MS OS/2 Developers Conference. One price covers everything.

A one-year Microsoft DIAL (Direct Information Access Line) subscription provides developers with an on-line support system for the MS OS/2 Kit. Additionally, for a limited time only, each licensee receives admission to an MS OS/2 Developers Conference at no additional charge. (Conference admission does not include accommodations.)

A thoroughly tested beta version with free periodic updates.

In order to provide early access to developers, the MS OS/2 Software Development Kit contains preliminary (beta) versions of the products. Each component has been thoroughly tested, but the products will not be error-free. Microsoft will use its best efforts to correct problems as they are reported via the DIAL system. In addition, for a limited time, periodic updates will be provided at no extra charge.

Summary of Components

- Microsoft Operating System/2 Version 1.0
- Presentation manager
- Microsoft LAN Manager Version 1.0
- Microsoft C Optimizing Compiler Version 4.5
- Microsoft Macro Assembler Version 4.5
- Microsoft DIAL (one-year subscription)
- Attendance at MS OS/2 Developers Conference (limited introductory offer)
- Video tapes of conference materials
- On-going updates to the Software Development Kit

Your last chance to purchase the OS/2 kit and attend the Dallas Developers Conference.

MS OS/2 is Microsoft's next-generation operating system for the IBM PC AT and compatibles. For the first time, the advanced features of the 80286 and 80386 processors are exploited to provide a superior operational environment for writing and running PC applications.

Real-mode operation protects your investment in MS-DOS applications.

MS OS/2 supports both real- and protected-mode operation on 80286 and 80386 processors. In real mode, users can run an application designed for MS-DOS (including all ill-behaved application), thereby preserving their software investment. However, MS-DOS applications cannot take full advantage of the new operating system.

Protected-mode operation improves your productivity and provides a full 16 megabytes of memory.

Programs written specifically for MS OS/2 are run in protected mode and can exploit the advanced features of the operating system such as multi-tasking and advanced memory management. With multi-tasking several applications can be run simultaneously, thereby increasing the user's productivity. With advanced memory management, the full 16 megabytes of memory are accessible to an application. No longer are applications limited to 640K memory. In addition, applications are "protected" from one another. No longer can one program accidentally destroy another program in memory.

Access OS/2 now—before it's available to end users.

The Presentation Manager: Make your application easy to learn and use.

MS OS/2 includes the operating system proper (kernel) and the presentation manager. The presentation manager provides an easy-to-use, intuitive graphical user interface. It is the protected-mode equivalent of the current MS-DOS-based Microsoft product.

The presentation manager is the graphical user interface component of MS OS/2. Initially only the product specification for the presentation manager will be included in the MS OS/2 Software Development Kit. Software documentation will be available in Fall 1987.

Presentation manager is the logical user interface for MS OS/2 applications. It replaces the "A>" prompt with an easy-to-learn, full-color graphical user interface. Applications that follow presentation manager conventions and style recommendations will appear familiar to users of other presentation manager applications. And by employing presentation manager, users will learn to use the new applications quickly and effectively.



Presentation manager provides the application software developer with many building blocks to help develop applications including menu and dialog box facilities. Sample application source code and libraries assist in the implementation of common functions. These building blocks and libraries free the developer to concentrate on the functionality of the program rather than on the details of low-level implementation and user interface.

Concentrate on applications design, not operational details.

For the applications developer, presentation manager provides a device-independent applications environment. Freed from having to understand the detailed operation of each hardware device, software developers have more time to concentrate on the design of the application.

Sophisticated GPI simplifies your job of displaying and printing graphics output.

In addition, presentation manager provides graphics functionality to application programs. The Graphical Programming Interface (GPI) allows application developers to use sophisticated raster and vector graphics in their applications. GPI greatly simplifies the task of displaying and printing graphics output.

Cut and paste between applications.

The presentation manager programming environment provides consistent ways of transferring information from one application to another. Text and graphics can be "cut" and "pasted" between applications.

Complete documentation included with every kit.

Features

Operating system component

- Advanced, single-user, multi-tasking operating system
- Relief from the 640K memory restriction, with up to 16 MB of addressable memory
- Memory protection
- New call-based, full-function application program interface (API)
- Runs most existing MS-DOS applications including ill-behaved ones
- Help utility

Windows presentation manager component

- Easy-to-use, full-color graphical user interface
- Ease of application learning
- Simplified inter-application data transfer
- Device-independent environment for applications

Microsoft LAN Manager: High-performance networking for computers running OS/2.

The LAN Manager provides full local-area networking capabilities to computers running the MS OS/2 operating system. Completely compatible with earlier versions of Microsoft Networks for the MS-DOS and XENIX® operating systems, the LAN Manager includes user features such as a high-performance non-dedicated server, an advanced security system, and powerful network administration tools.

Because the LAN Manager is tightly integrated into MS OS/2, it fully supports the MS OS/2 API including new interprocess communication facilities across the network. MS OS/2 applications can be written to work equally well as standalone applications or as fully distributed networking application programs running on separate physical

Features

Initial reference materials will discuss the following:

- Non-dedicated server
- Advanced security system
- Advanced network administration tools
- Compatible with Microsoft Networks Version 1.0

Microsoft C Optimizing Compiler:

New features give you the full power of OS/2.

Microsoft C Optimizing Compiler Version 4.5 has significant new features that allow C language programmers to write new C applications that take full advantage of MS OS/2.

Features

- Optimizing compiler: produces compact code and fast executables to speed up programs, making the most efficient use of the PC
- Dual mode: the compiler and the applications produced can run in protected mode or real mode
- Uses all available memory for the symbol table, allowing compilation of much larger programs
- Implements register variables to optimize processing
- Support for Microsoft CodeView™, a full-screen symbolic debugger

Microsoft Macro Assembler: The ideal tool for OS/2 assembly language programming tasks.

Microsoft Macro Assembler Version 4.5 provides a complete assembly language programming environment for MS OS/2. Combining the full-screen Microsoft CodeView debugger, simplified segmentation, a new comprehensive manual, and fast assembly speed, Microsoft Macro Assembler 4.5 is the ideal assembler for MS OS/2 assembly language programming tasks. Everything needed for both protected-mode and real-mode 80286/80287 programming is provided.

FREE on-line support for one full year.

Features

- Compatibility with Microsoft Macro Assembler Version 4.0
- Support for the CodeView full-screen symbolic debugger
- Simplified segment directives to ease mixed language programming
- Assembly of large programs
- Support for the Intel 8086/8087/80186/80286/80287 microprocessors

Microsoft Code View/Utilities/Editor:

Programming utilities for a totally integrated development environment.

The MS OS/2 Software Development Kit provides a completely integrated development environment: Microsoft CodeView, a full-screen symbolic debugger; MAKE, a program maintenance utility; LINK, a segmented-overlay linker; LIB, a library manager; and other helpful programming utilities. The MS OS/2 Kit also contains a full-featured text editor designed by and for programmers.

Features

- Compatibility with Microsoft C Optimizing Compiler and Macro Assembler
- Real- or protected-mode linking
- Dual-mode editor, runs in either real mode or protected mode

Microsoft DIAL (Direct Information Access Line): Free on-line support for one full year.

A one-year subscription for Microsoft DIAL Version 2.0 is included with the MS OS/2 Kit to provide an on-line support system for MS OS/2 developers. The DIAL system

combines access to a comprehensive bulletin board, direct technical assistance, and interactive information forums into one integrated support system that is responsive and easy to use.

The central component of the DIAL system is the Microsoft DIAL program, which is run by the user on a PC. This software is used to prepare and send Technical Assistance Requests (TARs), to search the bulletin board for information about MS OS/2, to send and receive mail, and to talk to other DIAL users through Forums.

This is a special MS OS/2 Software Development Kit subscription and is in addition to any DIAL service already being received. And the special subscription is only available from the U.S.

Features

- Comprehensive bulletin board with keyword search capability
- On-line technical assistance service with priority call-back feature
- Interactive forum offers opportunity to share information with other DIAL users

Sign up today, and you'll get the MS OS/2 Conference: FREE!

Learn to develop OS/2 applications at an accelerated pace.

More than 2,200 have already attended—don't be left out.

This conference, the LAST one prior to the introduction of OS/2, provides MS OS/2 Software Development Kit licensees with advanced training concerning this new environment. You'll have the opportunity to learn at an accelerated pace and obtain answers to your specific questions. The conference is available only to developers who have purchased the Software Development Kit. Space is allotted on a first-come, first-served basis. So be sure to sign up now. The last conference is October 20-23, in Dallas, Texas.

Specifications

System requirements

- IBM PC AT, COMPAQ® Deskpro 286™, COMPAQ Deskpro 386™, COMPAQ Portable II, COMPAQ Portable III, COMPAQ Portable 286™, or Zenith Models Z-241, Z-248 (ROM version 1.9 or later), and Z-386

Note: This product may run on other manufacturers' 80286- or 80386-based PCs. Contact the PC manufacturer for more information.

- 1.5 MB memory
- One high-density (96 TPI) disk drive and a hard disk

Optional

- Hayes Smartmodem™ or compatible (to gain access to DIAL)
- Local area network card (to run Microsoft LAN Manager when available)
- Graphics adapter card (to run the Microsoft presentation manager when available)

MS OS/2 Software Development Kit Contents

The MS OS/2 Kit consists of manuals and high density disks (96TPI) packaged together as one product. Periodic updates will be provided which may replace some or all of the development kit contents at no additional charge.

Attention OS/2 Developers:

You must order today to get both the OS/2 Software Development Kit and the Dallas Developers Conference

Your kit contains precommercial release software and reference material for various components—including FREE updates on a regular basis. Plus, the kit now includes the Software Development Kit and the

Multiple kit discount purchase plan lets you save more.

Windows retail product for Microsoft Windows—a \$600 value!

A special opportunity for additional savings with Microsoft's exceptional discount offer.

License three OS/2 Software Development Kits at the standard price of \$3,000 a kit, and you'll save 50% on additional kits. The more you order, the more you save. Discounted kits do not include conference attendance or a separate DIAL account, but Microsoft does offer additional DIAL accounts for \$700 each.

To order your kits, complete the information, and mail this form, along with full payment to:

Microsoft Corporation
Dept. MS OS/2 SDK
16011 NE 36th Way, Box 97017
Redmond, WA 98073-9902

No telephone orders will be accepted, and you will not be billed. Payment must be made by credit card, money order, company check, or personal check only. No cancellations or refunds will be made. And please use zip codes and P.O. Box number for express mail.

You could have OS/2 technology in your hands right now! Order today.

Option A: Standard Kit Price (for a 1-3 kit order)

___ OS/2 Software Development Kit(s)
@ \$3000.00 each \$ _____
Each kit includes attendance for one person at one of the Developers Conference.
Are you currently a DIAL subscriber?
___ yes ___ no

Option B: Discounted Kit Price

(with order of three standard kits)

___ OS/2 Software Development Kit(s) @
\$1500.00 each \$ _____

Option C: Discounted DIAL Account Price

(with order of three standard kits)

___ DIAL accounts @ \$700.00 each \$ _____

Subtotal: \$ _____

Tax: \$ _____

Total amount enclosed: \$ _____

Method of payment

(choose one)

- Check Money order
 VISA MasterCard
 American Express

Credit card number: _____

Expiration date: _____

Name of cardholder _____
(as appears on card)

Address of cardholder: _____

Signature of cardholder: _____

I understand the software I am licensing is pre-commercial release beta software and may contain program errors. I agree that I will use the software only for internal development of applications software and for no other purpose.

Signature of licensee: _____

I will be attending the next conference on October 20-23, in Dallas, Texas.

Act today to get
our complete
software development
package—everything
you need for the OS/2
environment.



Microsoft Operating System/2™ Software Development Kit

For conference registration verification only,
call (206) 882-8654. Please allow 4-6 weeks for delivery.

Your payment will be deposited or charged to your credit card immediately upon its receipt by Microsoft.

Name(s) _____

Title _____ Company _____

Ship to address (must be a street address) _____

City _____ State _____ Zip _____ Daytime phone number _____

IMPORTANT: Must include phone number for shipping.

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