

IBM Embedded PC DOS OEM Adaptation Kit (OAK)

- DOS-Based, Full-Screen, Easy-to-Use Interface
- Does Not Require a Source License for PC DOS
- Includes a Complete Copy of IBM PC DOS 7.0
- Builds PC DOS ROM Images in Minutes
- Flexible ROM Image Size from 64K to 128K
- Builds XIP and NON-XIP Versions of ROM Kernel
- Supports Application Storage in ROM
- Cooperative Multitasker Package Included
- Development Support from PC DOS Team Available
- Simple, Low-Cost OEM Contract for Distribution of Resulting Binary PC DOS ROM Images



The IBM Embedded PC DOS OEM Adaptation Kit (OAK) provides a DOS-based, full-screen, easy-to-use interface for rapid development of XIP or non-XIP, reduced size and function versions of PC DOS for embedded applications. Using the OAK, these optimized PC DOS ROM images can be built in minutes, ready to be burned into ROM. Manual build tools are also included, as well as the DOSTEST tool for testing the resulting ROM images. Developers can also use the OAK to build their applications, PC DOS commands and utilities into a ROM drive image so that media support is not required. IBM provides a simple, low-cost OEM contract and pricing structure for distribution of the resulting PC DOS ROM images.

The OAK includes Xmodem protocol communications software, device driver sample code (virtual floppy disk and null printer drivers), and documentation.

The OAK also includes Cooperative Multitasker code that can give an application the ability to multitask for better performance. Developers can include the

sample multitasking code in an application program so the program can start and control tasks that have priorities, wait on semaphores and provide return codes when terminated.

IBM PC DOS includes an extensive set of commands and utilities, including PCMCIA support, docking support, dynamic loading of device drivers, file synchronization and Advanced Power Management. Pen support and Stacker compression are also available. BIOS support is also available from IBM. Additional technology to support Intel Architecture products is available from IBM's extensive software library. Development support is available directly from the IBM PC DOS development team.

PROCESSORS SUPPORTED:
80186/80188, 386EX/DX/SX, 486DX4,
486DX2, 486SX/GXSF, Pentium® proces-
sors 100/133/166 MHz

AVAILABILITY:
Now

DEVELOPMENT PLATFORMS:
PC (Non-Windows)

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Ordering information:

Part number 28H0690