

ROM-DOS[®]

Essential Operating System for x86 Devices

ROM-DOS is an MS-DOS compatible operating system engineered specifically for embedded developers, delivering such features as kernel level FAT32 and long file name support. Datalight offers source code modules in library and assembly format that give developers control over their DOS. Requiring as little as 186 CPU and a small amount of disk space, ROM-DOS is an essential DOS environment for OEMs and system developers.

- Provides most direct access to x86 hardware
- Supports 186 or higher processor
- Includes support for long file names
- Relocatable Executable (RXE) minimizes RAM requirements
- Offers flexible configuration options
- Build DOS 7.1 or 6.22 kernels from same code-base
- Dynamic Device Driver loading detects hardware and loads necessary drivers
- Can run underneath or alongside another operating system
- Includes connectivity tools for Internet-enabled devices

RXE, BUILD Utility, Dynamic Device Driver Loading

Relocatable Executable (RXE) minimizes RAM by running applications out of ROM. Application programs can be easily converted to have the code run from ROM using the RXE feature in ROM-DOS. The conversion process is completely transparent to the application program.

ROM-DOS BUILD Utility enables developers to include or exclude a variety of features such as kernel options, device drivers, FAT32 & long file name support, and other ROM-DOS capabilities. Customization can generate smaller ROM-DOS images, providing more memory for application and data storage.

The ROM-DOS BUILD Utility allows developers to create powerful DOS 7.1 or 6.22 kernels from the same code base. Dynamic Device Driver loading provides the ability to detect hardware and load device drivers dynamically, enabling ROM-DOS to configure itself for any given environment.

Stable Device Operation

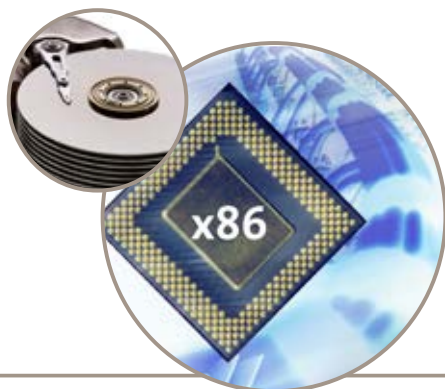
ROM-DOS provides the closest, most direct access to x86 hardware – no other operating system can be integrated this closely with underlying hardware. This quality allows ROM-DOS to serve as a foundational operating system, running either underneath or alongside another operating system.

Used in this manner, ROM-DOS stabilizes the underlying device operation, creating a consistent environment in which the companion OS can run to its full potential.

Connectivity Tools

ROM-DOS incorporates a suite of tools, including a compact TCP/IP stack, that is designed to support the embedded device market from standalone to Internet-enabled.

ROM-DOS supports applications that provide embedded systems with the ability to send and receive e-mail, securely transfer files via FTP, run a private remote console or be viewed from a local web browser.



Target Configuration	186 or higher processor
Required Disk Space	48k to 90k ROM or flash memory — exact size varies with developer's configuration
For Internet Connectivity	Requires a packet driver or modem connection

ROM-DOS Configuration Options

ROM-DOS SDK - All of the development files necessary to build and customize ROM-DOS along with SOCKETS, a TCP/IP stack. Included in the toolkit are utilities, libraries, sample device driver source code, networking example code, a developer's guide and a user's guide. Includes a Software Development Tool Kit (SDTK).

Software Development Tool Kit - Includes application development tools and other tools needed for development of ROM-DOS application. Includes Borland C version 5.02, Borland TASM Assembler, and Remote Debugger (only available to use in conjunction with Datalight products).

ROM-DOS Single User Version - Electronic distribution only. The ROM-DOS Single User Version is a compact DOS solution perfect for desktop users and OEMs wanting a low-cost drop in replacement DOS. The product documentation is also provided in electronic form.

ROM-DOS Single User Network Add-on - Datalight's Networking Suite is founded within SOCKETS, a DOS TSR TCP/IP stack which interfaces to Ethernet including 802.11 via standard packet drivers as well as to serial lines via standard COM ports using PPP. SOCKETS offers a powerful, compact, high throughput kernel. The Sockets Internet suite adds many pre-built utilities including e-mail applications, web server, security features, file transfer protocol, client and server and remote console node.

Support and Licensing

Distribution of ROM-DOS binary code is allowed under the terms of the Datalight License Agreement which must be executed prior to any distribution. Distribution of ROM-DOS source code is not allowed.

Datalight is committed to providing responsive technical support to help OEMs keep projects on schedule. Datalight support engineers are available via e-mail, website and telephone during our normal business hours, 9:00 am to 5:00pm Pacific time, Monday-Friday.

Name	Kit Price	Per Unit Runtime*
ROM-DOS SDK	\$1,250	\$19
Software Development Kit Toolkit (SDKT)	\$ 250	
ROM-DOS Single User Version	\$ 30	
ROM-DOS Single User Network Add-on	\$ 18	
ROM-DOS and FlashFX		\$25
ROMS-DOS and Sockets		\$34
ROM-DOS, FlashFX and Sockets		\$41
Sockets for use with other OS		\$16

*Volume discounts available. Contact Datalight or your Authorized Reseller

About Datalight

Datalight is the market leader in software technologies that manage data reliably in embedded devices. For more than 30 years, our focus on portable, flexible solutions has enabled customers to save money, reduce development time and get to market faster. Our customers have discovered that Datalight solutions result in unparalleled interoperability and increased customer satisfaction. These accomplishments have earned Datalight a reputation as a provider of reliable and cost effective software solutions that are backed by a commitment to customer service and satisfaction.

For more information, visit www.Datalight.com or call 425.951.8086 ext 1060.