

# ***smxCD***

## **CD-ROM File System**

Due to their large capacities, and consequent low cost per megabyte, CD-ROMs are becoming increasingly popular in embedded applications which need to access large amounts of data. Developing compatible file-handling and device driver capabilities for these devices is a difficult and tedious process. An engineer can spend weeks simply building the necessary services to access CD-ROM's. *smxCD* saves an embedded system developer's time, effort, and resources by providing industry-standard access to CD-ROM drives.

*smxCD* is a C library for accessing High-Sierra and ISO-9660 Level 1 (single session) CD-ROM disks from embedded system applications. It provides a POSIX-like interface and a simple device driver interface.

A portable version is also available.

Save time and money by getting *smxCD* for your embedded application. It provides simple access to the volumes of data available on CD-ROMs.

### **Features**

- High-speed, unbuffered file I/O mode.
- Buffered file I/O mode for random access.
- Directory scanning services (e.g., `get_first`, `get_next`)
- Advanced buffer management for high CD-ROM demands
- Support for multiple tasks
- Test shell included for interactively debugging port-specific issues
- Compact. Requires only about 16K bytes of ROM
- Tunable: Compile time constants determine RAM usage. Can run with less than 16K bytes of RAM
- ATAPI driver supports all CD-ROM and DVD drivers
- Source code provided
- No run-time royalties
- Portable version available