

ERTFS

High Performance FAT32 File System

from EBS, providing premiere embedded file system software since 1987

Features

- **Zero Latency File IO**
- **Deterministic**
- **Failsafe Operation**
- **64-bit File IO**
- Video Record/Playback support
- Streaming Data support
- DOS/Windows/FAT32 compliant
- Defragmenter Toolkit
- Extreme portability
- Extreme performance
- Supports removable media
- Supports Unicode and Japanese
- Thread safe multi-tasking

Applications

- Digital Cameras
- Digital Video Recorders
- Cell Phones
- Set Top Boxes
- Consumer Devices
- Military and Surveillance
- Medical
- Scientific
- Commercial
- Avionics
- Any application needing disk or flash file support

The most reliable high performance embedded FAT32 file system available.

A portable FAT32 file system with Failsafe operation, support for 64-bit files, and state of the art handling of streaming data and digital video.

FUNCTIONALITY HIGHLIGHTS:

- **Terabyte file support.** A 64-bit file interface shatters the 4 gigabyte file size barrier making it possible to create files that in theory could be 24 terabytes in length. In practice, the files are large enough for storing video and high volume streaming data on today's 100 megabyte plus disk drives.
- **Failsafe operation** eliminates volume corruption from power failures and media removals.
- **Extremely low latency file seeks.** The file pointer may be moved from anywhere to anywhere within a multi-terabyte file with virtually no overhead.
- **Deterministic file IO operations.** Files may be read written and extended incurring virtually no overhead allocating and tracking file extents.
- **Programmer controlled pre-allocation** of file extents allows the programmer to specify how much (if any) fragmentation of data files is acceptable.
- **Volume defragmenter subsystem** provided.
- **Drop in support for Digital Video Recorder applications.** Sophisticated circular data buffering and zero copy file extract routines allow easy creation of demanding DV/R products.
- **High speed data logging routines** are available for developing DVR applications or industrial, military or scientific streaming data applications.

Features Included with ERTFS		
Check Disk	Regression Test Tool	String Tables Within a Single Source File
Format	Linear Flash Support	Windows Prototype Environment Included
Command Shell	Virtual Disk Feature	Pre-built Windows Based ERTFS Command Shell Reference

Included Driver Support		Optional Drivers	
IDE Hard Disk	Floppy	USB	Memory Stick
Compact Flash	ROM Disk	SD Card	SDIO
RAM Disk	Linear Flash		
MMC	SmartMedia		