



# Embedded File System

## Overview

This software is a file system developed for embedded application. By offering compatibility with the file formats of MS-DOS™ and MS-Windows™ (Note 1), this embedded file system enables file passing between a microcontroller and a PC or other device. Use of this file system in combination with driver software such as Smart-Media allows files to be stored in various types of storage media.

Note 1: MS-DOS™ and MS-Windows™ are registered trademarks of Microsoft Corporation.

## Features

- ◆ Interface compatible with ANSI C functions.
- ◆ Support for multiple drives.
- ◆ Non-dependent on low-level storage devices.
- ◆ High-speed access by caching.

## Specifications

- ◆ File format FAT12, FAT16, FAT32
- ◆ File name format Support for VFAT. (use 254 characters with dot'.')

## Operating Conditions

- ◆ Target MCUs TLCS-900 Family
- ◆ Resource requirements ROM 23 Kbytes or more/ RAM 2.5 Kbytes or more

## Package Contents

Object code (or source code), software manual

## Application Products

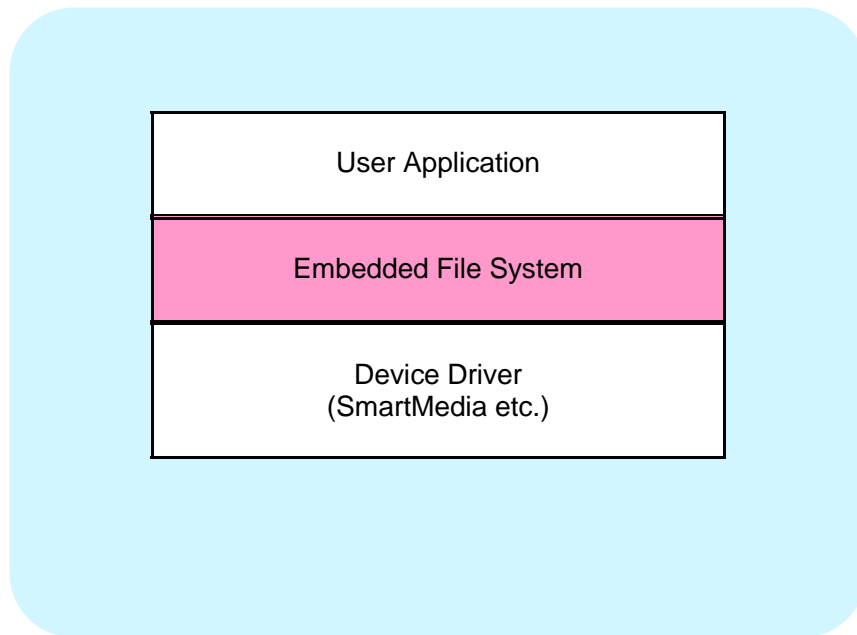
PDAs, digital cameras, electronic home appliances

## Recommended MCUs

TLCS-900/L1 series, TLCS-900/H1 series

\*For details, please contact your local Toshiba office.

■TOSHIBA Semiconductor Website: <http://www.semicon.toshiba.co.jp/eng/index.html>



## Options

Device drivers: SmartMedia, CompactFlash, SD memory card

- The information contained herein is subject to change without notice.
- The information contained herein is presented only as a guide for the applications of our products. No responsibility is assumed by TOSHIBA CORPORATION for any infringements of intellectual property or other rights of the third parties which may result from its use. No license is granted by implication or otherwise under any intellectual property or other rights of TOSHIBA CORPORATION or others.
- TOSHIBA is continually working to improve the quality and reliability of its products. Nevertheless, semiconductor devices in general can malfunction or fail due to their inherent electrical sensitivity and vulnerability to physical stress. It is the responsibility of the buyer, when utilizing TOSHIBA products, to comply with the standards of safety in making a safe design for the entire system, and to avoid situations in which a malfunction or failure of such TOSHIBA products could cause loss of human life, bodily injury or damage to property. In developing your designs, please ensure that TOSHIBA products are used within specified operating ranges as set forth in the most recent TOSHIBA products specifications. Also, please keep in mind the precautions and conditions set forth in the "Handling Guide for Semiconductor Devices," or "TOSHIBA Semiconductor Reliability Handbook" etc..
- The TOSHIBA products listed in this document are intended for usage in general electronics applications (computer, personal equipment, office equipment, measuring equipment, industrial robotics, domestic appliances, etc.). These TOSHIBA products are neither intended nor warranted for usage in equipment that requires extraordinarily high quality and/or reliability or a malfunction or failure of which may cause loss of human life or bodily injury ("Unintended Usage"). Unintended Usage include atomic energy control instruments, airplane or spaceship instruments, transportation instruments, traffic signal instruments, combustion control instruments, medical instruments, all types of safety devices, etc.. Unintended Usage of TOSHIBA products listed in this document shall be made at the customer's own risk.
- TOSHIBA is continually working to improve the quality and reliability of its products. Nevertheless, the hardware and software incorporated in this TOSHIBA products in general can malfunction or fail due to their inherent electrical sensitivity and vulnerability to physical stress.
- TOSHIBA does not take any responsibility for incidental damage "including loss of business profit, business interruption, loss of business information, and other pecuniary damage" arising out of the use or disability to use the product.
- The products described in this document are subject to the foreign exchange and foreign trade laws.
- TOSHIBA products should not be embedded to the downstream products which are prohibited to be produced and sold, under any law and regulations.