

Filesystem :: FatFS

The FatFS is a generic FAT file system module designed for small embedded systems. It enables microcontrollers to read and write files on storage media such as SD cards and USB drives. FatFs supports FAT12, FAT16, and FAT32 file systems. It is written in standard C and is highly portable across different MCU platforms. The library is lightweight, configurable, and suitable for both RTOS and bare-metal environments.

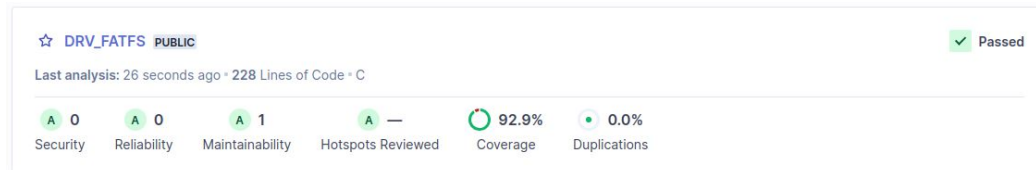
NOTE: This driver seamlessly works with our SD card driver.

The software is architected with long-term maintainability, portability across MCU platforms, and adherence to high software quality standards as core design principles.

- ✔ Layered architecture with clear HAL abstraction
- ✔ Conforms to ISO C99 standard
- ✔ Portable across multiple MCU platforms
- ✔ Supports both RTOS and bare-metal environments
- ✔ CMake build system for scalable integration
- ✔ Seamless integration with GCC toolchain
- ✔ Statically analyzed for MISRA, CERT, and CWE compliance

NOTE:

See [FatFs - Generic FAT Filesystem Module](#) for interfaces and usage details.



Communication Interface:

SPI