

# SPI\_SD

Serial Peripheral Interface Controller Software Driver

## MAJOR FEATURES

- ◆ Error Control
- ◆ Interrupt support
- ◆ Support for transfer data in slave and master mode
- ◆ Support for all SPI interface clock rates
- ◆ Support clock phase and polarity set

## APPLICATIONS

- ◆ Exchange data with other slave devices through the SPI interface
- ◆ Exchange data with another microcontrollers

## DELIVERABLES

- ◆ Source code
- ◆ Project, created in Tasking or Keil environment
- ◆ User Manual

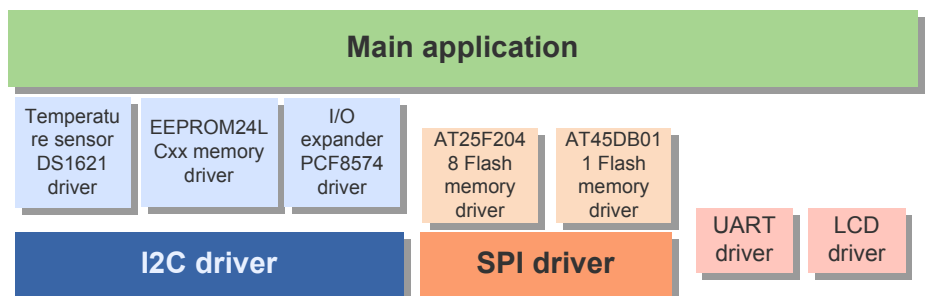
## RELATED PRODUCTS

**SPI** - a serial bus controller that enables full-duplex, synchronous, serial communication between the 8051-compatible microcontroller and peripheral devices.

## OVERVIEW

The **SPI\_SD** driver is a complete software controlling packet dedicated for SPI virtual component implementing Serial Peripheral Interface of Master and Slave types. The SPI Software Driver supports full SPI interface functionality as read or write and works in master and slave modes.

## BLOCK DIAGRAM



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