

I2C Driver

Version 1.0.0

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1.1 Data Structures

Here are the data structures with brief descriptions:

i2c_config_t	??
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Chapter 2

Data Structure Documentation

2.1 i2c_config_t Struct Reference

Data Fields

- i2c_enabled_t **en**
- i2c_ack_en_t **slave_ack_en**
- uint32_t **periph_clk_freq_MHz**
- uint32_t **i2c_op_freq_kHz**
- i2c_dma_en_t **dma_en**
- i2c_it_err_en_t **it_err_en**
- i2c_it_buf_en_t **it_buf_en**
- i2c_it_evt_en_t **it_evt_en**
- i2c_fast_slow_t **fast_or_std**
- i2c_fm_duty_cycle_t **duty_cycle**

The documentation for this struct was generated from the following file:

- /home/marko/Documents/embedded_workspace/i2c_driver/i2c_stm32f411_config.h

2.2 i2c_transfer_t Struct Reference

Data Fields

- i2c_channel_t **channel**
- uint8_t * **buffer**
- uint32_t **data_length**
- uint8_t **slave_address**

The documentation for this struct was generated from the following file:

- /home/marko/Documents/embedded_workspace/i2c_driver/i2c_interface.h

