

BB_I2C
0.01.000

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Chapter 1

Class Index

1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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Chapter 2

Class Documentation

2.1 BB_I2C Class Reference

```
#include <BB_I2C.h>
```

Public Member Functions

- [BB_I2C](#) ()
- [int8_t readbyte](#) (uint8_t reg_address, uint8_t dev_addr, uint8_t *data)
- [int8_t writebyte](#) (uint8_t reg_address, uint8_t dev_addr, uint8_t data)

2.1.1 Detailed Description

Objects of this class are used for communication using the I2C protocol. This is for a I2C master. This class provides the methods to read / write one value into / from a register of a I2C slave.

2.1.2 Constructor & Destructor Documentation

2.1.2.1 BB_I2C::BB_I2C ()

Initiates a new I2C object.

2.1.3 Member Function Documentation

2.1.3.1 int8_t BB_I2C::readbyte (uint8_t reg_address, uint8_t dev_addr, uint8_t * data)

Read one byte of data from a register of one I2C slave.

Parameters

<i>reg_address</i>	the address of the register on the I2C slave
<i>dev_addr</i>	the I2C address of the slave
<i>data</i>	contains the data after I2C communication

Returns

1 if I2C communication was successful

2.1.3.2 `int8_t BB_I2C::writebyte (uint8_t reg_address, uint8_t dev_addr, uint8_t data)`

Writes one byte of data into a register of one I2C slave.

Parameters

<i>reg_address</i>	reg_address the address of the register on the I2C slave
<i>dev_addr</i>	dev_addr the I2C address of the slave
<i>data</i>	the data which will be written to the slave

Returns

1 if I2C communication was successful

The documentation for this class was generated from the following files:

- BB_I2C.h
- BB_I2C.cpp

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