

## Features

- SMBus 3.0 transfers:
  - Quick command
  - Read/Write byte/word
  - Block transfers
  - Process call
  - Zone commands
- PMBus 1.3.1 support:
  - Group command
  - Extended command
- Notable features:
  - Alert signal and response
  - Address resolution protocol
  - Packet error checking
  - Host notification protocol
  - Up to 1 MHz speed tested

## Description

X-CUBE-SMBUS software package contains SMBus/PMBus stack implementation for STM32Cube.

The SMBus stack is built on STM32Cube HAL drivers to implement the transport layer. The middleware also includes the template for further expansion and personalization of PMBus support.

Strict usage of the STM32Cube ensures high portability to other microcontrollers of the STM32 family.

The package comes with an example and basic functionality tests intended for below boards: 32F072BDISCOVERY, 32L0538DISCOVERY, 32L476GDISCOVERY and STM32F3DISCOVERY.

## Ordering information

X-CUBE-SMBUS is available for free download from [www.st.com](http://www.st.com).

## Revision history

Table 1. Document revision history

Date	Revision	Changes
25-Feb-2015	1	Initial release.
24-May-2017	2	Updated <i>Features</i> : <ul style="list-style-type: none"><li>– SMBus version</li><li>– Added “Zone commands” feature for SMBus</li><li>– PMBus version</li><li>– Speed tested updated</li></ul> Updated <i>Description</i> : <ul style="list-style-type: none"><li>– Discovery boards included in the package</li></ul>

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