# X-CUBE-SMCARD

## STM32 smartcard reader demonstration, software expansion for STM32Cube

**Data brief**

## Features

- ATR decoding
- Timing negotiation
- File access commands
- T=0 and T=1 protocol support
- Inverse convention support

## Description

The X-CUBE-SMCARD firmware interface consists of STM32Cube HAL-based source files developed to support smartcard communication, according to the ISO 7816-3/4 specification.

An application example based on STM3210B-EVAL, STM3210E-EVAL, STM3210C-EVAL evaluation boards and on STM32L152CDISCOVERY, STM32L0538DISCOVERY discovery boards is also provided.

The *Smartcard interface based on STM32Cube firmware* Application Note *(*AN4800) provides additional details about the hardware and the software solution.

# 1 Revision history

**Table 1. Document revision history**

| Date | Revision | Changes |
|---|---|---|
| 14-Jan-2016 | 1 | Initial release. |

**IMPORTANT NOTICE – PLEASE READ CAREFULLY**