

**AT32F413 USB CCID DEMO**

## Introduction

This sample code demonstrates how to use USB CCID.

Applicable products:

|                |                 |
|----------------|-----------------|
| Product series | AT32F413 series |
|----------------|-----------------|

List of major peripherals used:

|             |       |
|-------------|-------|
| Peripherals | USB   |
|             | USART |
|             |       |
|             |       |

# 1 Quick start

## 1.1 Hardware resources

- 1) AT-START evaluation board (AT32F413xx)
- 2) USART is connected to Smart card

## 1.2 Software resources

- at32f413\_usb\_ccid\_demo

## 1.3 Example case

Through software:

Open a corresponding usb\_ccid\_demo project (utilities\ccid), compile and download it to evaluation board

- Connect USART to smart card
- Connect USB to PC

## 2 Revision history

Table 1. Document revision history

| Date       | Revision | Changes         |
|------------|----------|-----------------|
| 2022.11.18 | 2.0.0    | Initial release |

