

Introduction

This document introduces WinUSB demo, which can be applied to other series in a similar way.

Note: The corresponding code in this application note is developed on the basis of V2.x.x BSP provided by Artery. For other versions of BSP, please pay attention to the differences in usage.

Applicable products:

Part number	AT32F415xx
	AT32F435xx
	AT32F437xx
	AT32F425xx

List of peripherals:

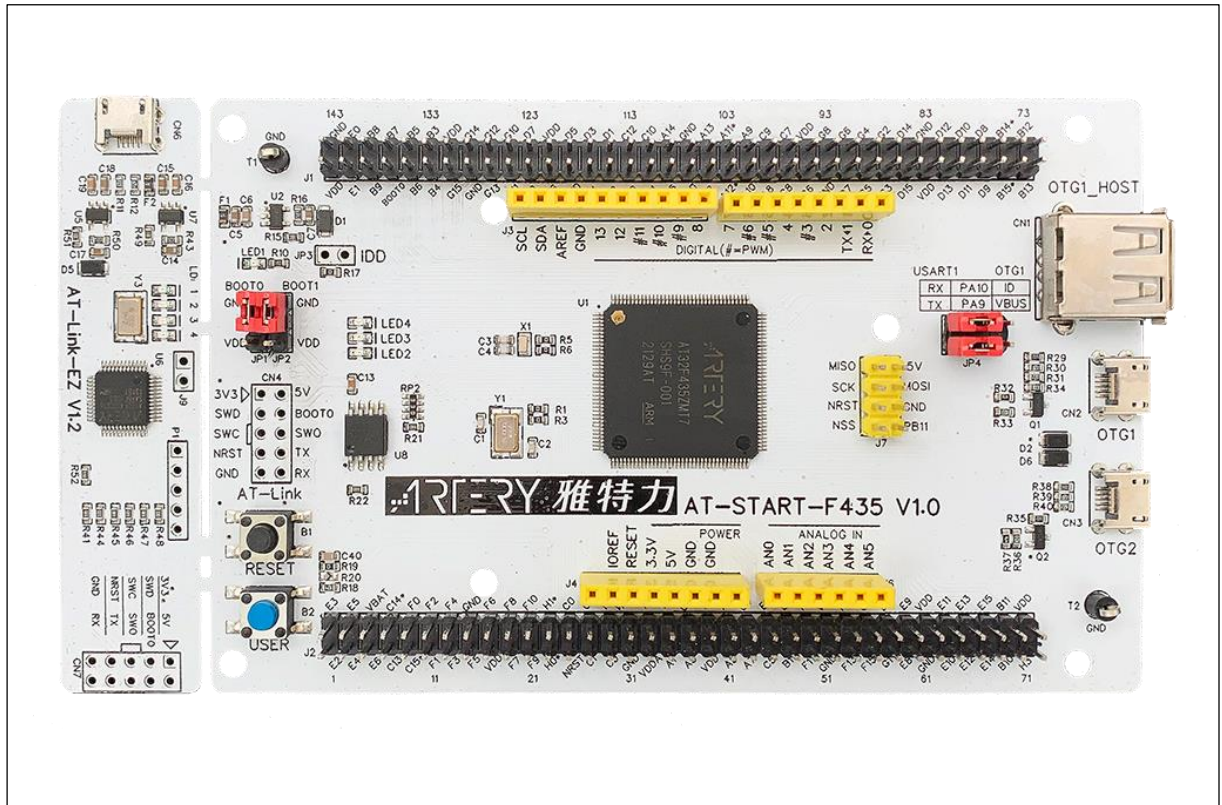
Main peripheral	OTG_device
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1 Application method

1.1 Hardware requirements

- 1) AT-START-F435 V1.0 evaluation board (or the corresponding evaluation board of other series)

Figure 1. AT-START-F435 V1.0 evaluation board



1.2 Software requirements

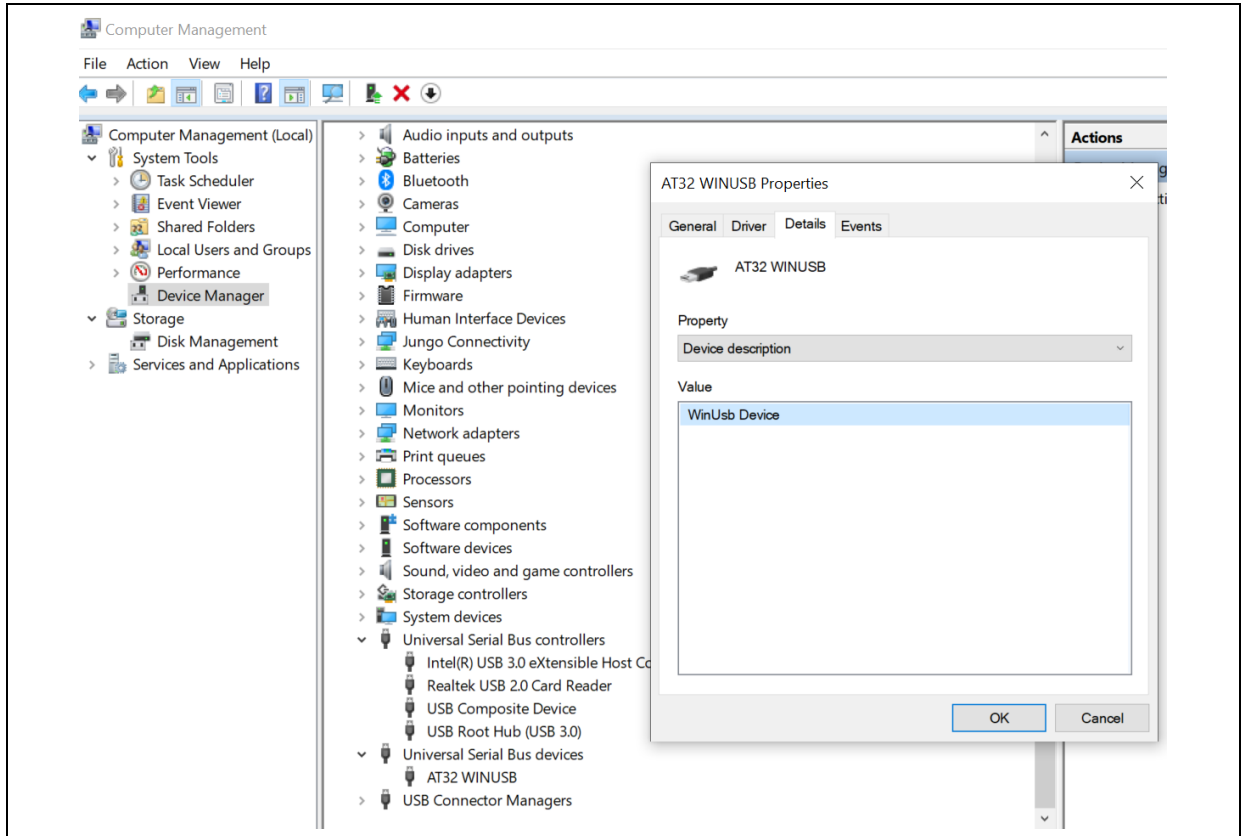
- 1) SourceCode
 - winusb

Note: All projects are built around keil 5. If users want to use them in other compiling environments, please refer to BSP_V2.x.x\project\xxx\templates (such as IAR6/7/8, keil 4/5) for a simple change.

1.3 Example of application

- 1) Open the winusb project, and download to the evaluation board. Connect the evaluation board USB interface to PC, and the PC device manager will display a winusb device (as shown in Figure 2), which can be used in Windows7 and above without need of driver. The PC software (WinUSB_Test) packed in MDK can be used to test winusb devices, such as data transmission and receiving.

Figure 2. Enumeration succeeded



2 Revision history

Table 1. Document revision history

Date	Version	Revision note
2022.04.25	2.0.0	Initial release.

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