

Introduction

This sample code demonstrates how to use AT32F437 MCU as a U disk through its USB and SD card.

Applicable products:

Product series	AT32F435xx
	AT32F437xx

List of major peripherals used:

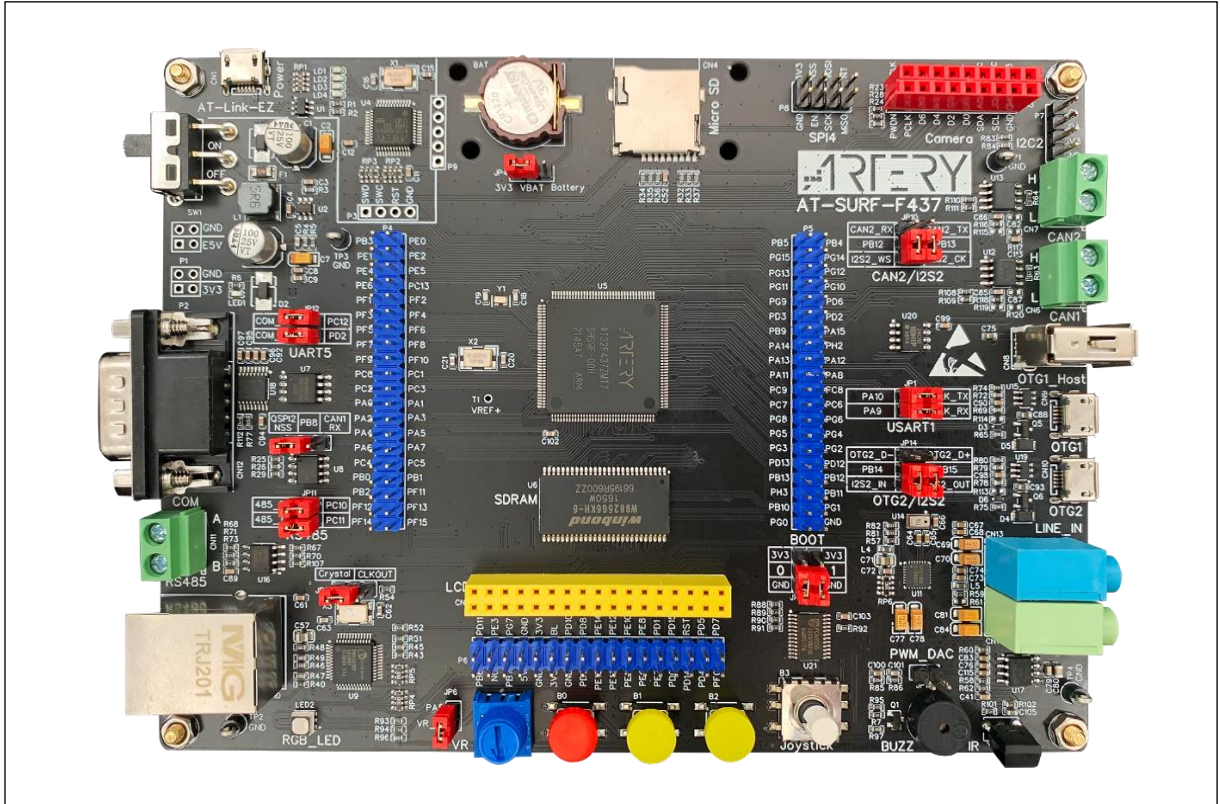
Peripherals	USB/SDIO
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1 Quick start

1.1 Hardware resources

- 1) AT-SURF-F437 evaluation board

Figure 1. AT-SURF-F437 evaluation board



1.2 Software resources

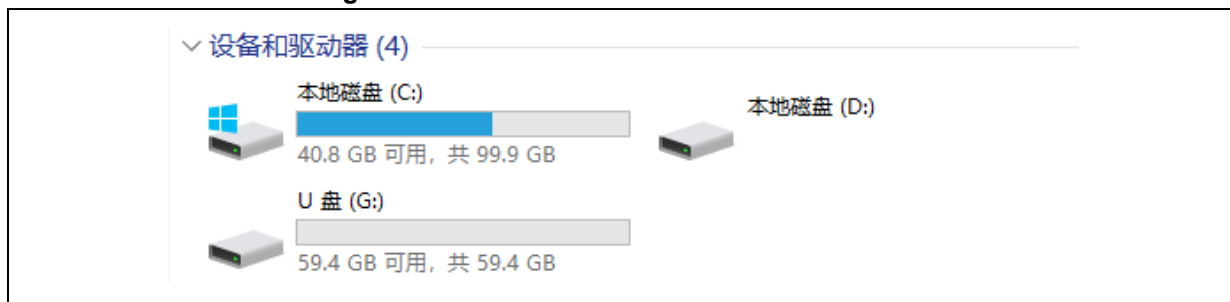
- 1) SourceCode
 - SC0095\SourceCode\SC0095_SourceCode_V2.0.0\utilities\SC0095_demo
- 2) The code recognizes MCU as a large memory device, while the received data are written to SD card

Note: All of projects are built based on Keil 5. For the need to run in other compiling environments, user can make simple adjustments according to AT32xxx_Firmware_Library_V2.x.x\project\at_start_xxx\templates.

1.3 Example case

- 1) Open SC0095 source code, and download to AT-SURF-F437 evaluation board
- 2) Insert Micro SD card, remove JP12 jumper cap, connect evaluation board's USB to master
- 3) Now you can see that the evaluation board is identified as USB disk by PC.

Figure 2. PC identifies evalution board as U disk



- 4) Conduct transfer test. A winrar (Desktop.rar) can be transmitted to SD card.

Figure 3. Device manager display on PC side

名称	修改日期	类型	大小
at32		文本文档	1 KB
Desktop	2022/1/25 13:23	WinRAR 压缩文件	13 KB

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
2022.7.26	2.0.0	Initial release

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