

AT32F4xx RTC/ERTC Millisecond Timekeeping

Introduction

This example code demonstrates how to use the millisecond-based timekeeping feature of AT32F4xx ERTC or RTC.

Note: This sample code is written based on Artery's V2.x.x BSP. For other versions of BSP, users should pay attention to the differences in use.

Applicable products:

Product series	AT32F403xx
	AT32F403Axx
	AT32F407xx
	AT32F413xx
	AT32F415xx
	AT32F421xx

List of major peripherals used:

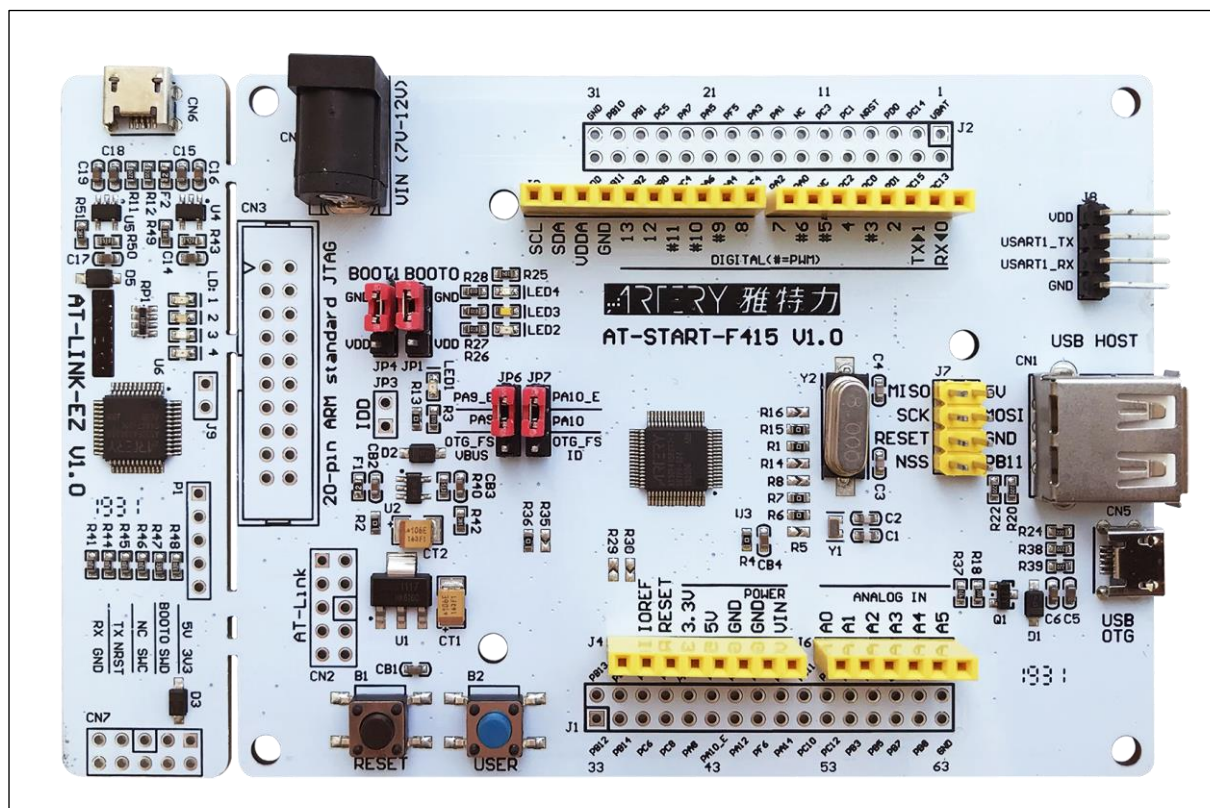
Peripherals	ERTC
	RTC

1 Quick start

1.1 Hardware resources

- 1) AT-START-F415 V1.0 evaluation board
- 2) Serial interfaces: PA9, PA10

Figure 1. AT-START-F415 V1.0 evaluation board



1.2 Software resources

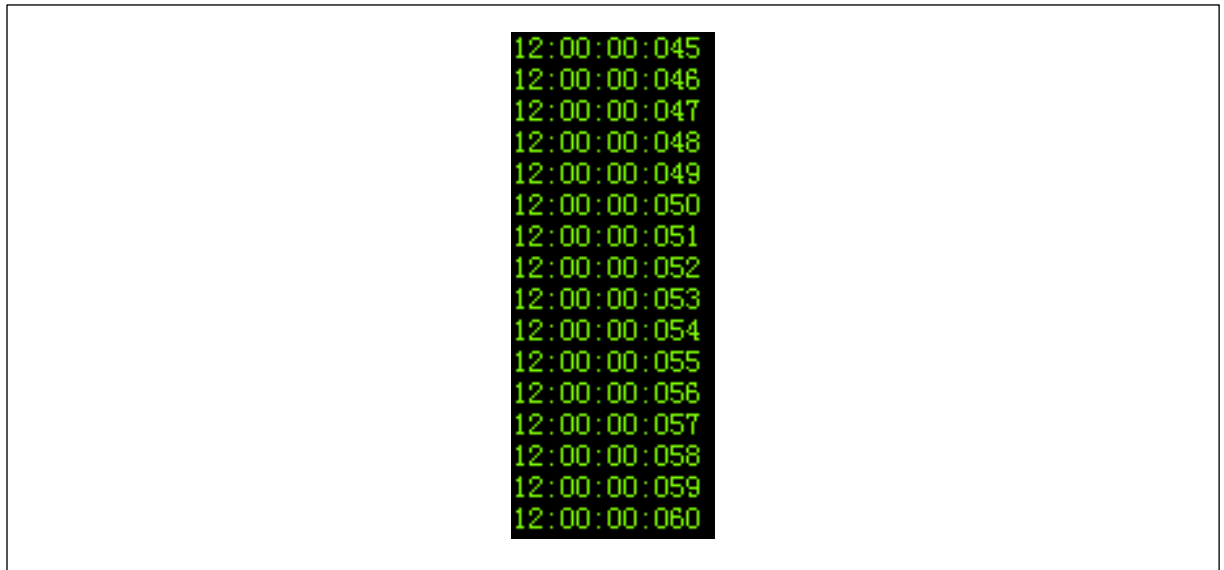
- 1) SourceCode
 - RTC_StopWatch

Note: All of projects are built based on Keil 5. For the need to run them 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 “RTC_StopWatch”, compile and download it to the evaluation board
- 2) View calendar print information via serial interfaces

Figure 2. Print information



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
2021.12.20	2.0.0	Initial release

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