
RTC (real-time clock) software expansion for STM32Cube

Data brief

Features

- Calendar that keeps time and date
- Tamper detection by erasing backup registers
- Timestamp for the tampering event
- RTC usage in Stop mode
- Smooth digital calibration

Description

The microcontrollers of the STM32L0 Series, STM32L1 Series, STM32L4 Series, STM32F0 Series, STM32F2 Series, STM32F3 Series, STM32F4 Series and STM32F7 Series feature a real-time clock (RTC) peripheral designed to allow the STM32 MCUs to operate with minimum power requirements.

The X-CUBE-RTC application aims to demonstrate how to fully exploit the RTC advantages, thus extending the battery life of the product.

For more details refer to the application note *Using the hardware real-time clock (RTC) in low-power modes with STM32 microcontrollers* (AN4759).

1 Revision history

Table 1. Document revision history

Date	Revision	Changes
30-May-2016	1	Initial release.
11-Nov-2016	2	Updated <i>Features</i> and <i>Description</i> in cover page.

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