X-CUBE-LPUART

STM32Cube embedded software demo of power consumption using LPUART

Data brief

Features

- Communication speeds of 9600 and 57600 baud; communication using DMA, interrupt or polling method
- Showcase of Stop and Sleep modes in communication
- Power regulator settings influence explained

Description

The microcontrollers of the STM32L0 and STM32L4 series feature an alternative UART interface, designed to allow the STM32 to operate with minimum power requirements.

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

For more details refer to *Minimization of power consumption using LPUART in microcontrollers of the STM32L0 and STM32L4 series* application note (AN4635).

Ordering information

X-CUBE-LPUART is available for free download from the *www.st.com* website.

Revision history

Table 1. Document revision history

Date	Revision	Changes
05-May-2015	1	Initial release.
16-Dec-2015	2	New revision to introduce STM32L4 series.

IMPORTANT NOTICE – PLEASE READ CAREFULLY