32L100CDISCOVERY

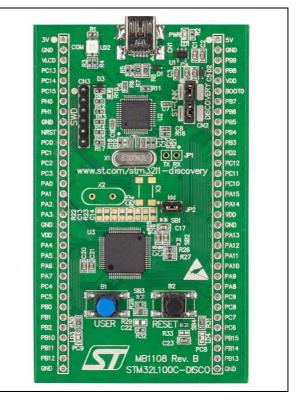## Discovery kit for STM32L100 Value Line microcontrollers

Features

- STM32L100RCT6 microcontroller featuring 256 KB of Flash memory, 16 KB of RAM in an LQFP64 package

- On-board ST-LINK/V2 with selection mode switch to use the kit as a standalone ST-LINK/V2 (with SWD connector for programming and debugging)

- Board power supply: through USB bus or from an external 5 V supply voltage

- External application power supply: 3 V and 5 V

- Four LEDs:
  - LD1 (red) for 3.3 V power on
  - LD2 (red/green) for USB communication
  - LD3 (green) for PC9 output
  - LD4 (blue) for PC8 output

- Two push buttons (user and reset)

- Extension header for all LQFP64 I/Os for quick connection to prototyping board and easy probing

Description

The 32L100CDISCOVERY helps you to discover the features of the STM32L100 Value Line 32-bit Cortex-M3 microcontrollers and to develop your applications easily. It includes everything required for beginners and experienced users to get started quickly.

Based on the STM32L100RCT6 , it includes an ST-LINK/V2 embedded debug tool, LEDs, pushbuttons for easy connection of additional components and modules.

A large number of free ready-to-run application firmware examples are available on www.st.com/stm32l1-discovery to support quick evaluation and development.

System requirements

- Windows PC (XP, Vista, 7)
- USB type A to Mini-B cable

Development toolchains

- Altium® TASKING™ VX-Toolset
- ARM® Atollic TrueSTUDIO®
- IAR™ EWARM (IAR Embedded Workbench®)
- Keil™ MDK-ARM®

Demonstration software

The demonstration software is preloaded in the board Flash memory. It uses the user button B1 to change the blinking frequency of the green LED LD3. Each click on the button is confirmed by the blue LED LD4.

The latest versions of the demonstration source code and associated documentation can be downloaded from www.st.com/stm32l1-discovery.

Ordering information

To order the discovery kit for STM32L100 Value Line microcontrollers, use the STM32L100C-DISCO order code.

Revision history

Table 1. Document revision history

Date	Revision	Changes
12-Aug-2013	1	Initial version.

Please Read Carefully: