

STM32 L1 Discovery

Ultra-low-power



By using or installing (as applicable) this evaluation kit you accept all the terms of the EVALUATION LICENCE AGREEMENT available at www.st.com/epl

FEATURES

- STM32L152RCT6 MCU in 64-pin package
- ARM® Cortex®-M3 CPU running at 32 MHz
- 256 Kbytes of Flash
- 32 Kbytes of SRAM
- Embedded ST-LINK/V2 debugger/programmer

Part number : 32L152CDISCOVERY

www.st.com/stm32l1-discovery

STM32L1 Discovery kit for STM32L152 MCU

GETTING STARTED

- 1/ Check jumper position on the board, JP1 on, CN3 on (Discovery selected).
- 2/ Connect the STM32L1 Discovery board to a PC with a USB cable to power the board. Red LED LD2 (PWR) then lights up.
- 3/ Function 1 is executed and each click on user button B1 changes the executed function. See table below:

Function	LED LD3/4	Bars	Displayed description	Main function
1	Blink LD3/4		V _{DD} voltage measured	Voltage
2	LD3	▬	Slider 0 to 100%	Slider
3	LD4	▬	Used as 4 touch buttons	
4	Off	▬	Run mode	Consumption measured
		▬	Sleep mode	
5	Off	▬	Low power mode, Run	
		▬	Low power mode, Sleep	
6	Off	▬	Stop mode with RTC	
		▬	Stop mode	
7	Off	▬	Standby mode	

- 4/ The demo application software as well as other software examples for exploring STM32L1 features available at www.st.com/stm32l1-discovery

SYSTEM REQUIREMENTS

- Windows® (XP, 7, 8)
- USB type A to mini-B cable

DEVELOPMENT TOOLCHAINS

- Keil: MDK-ARM
- IAR: EWARM
- GCC-based IDEs (free AC6: SW4STM32, Atollic TrueStudio, ...)



EMBEDDED SOFTWARE

STM32CubeL1 embedded software solution featuring drivers, RTOS, file system, USB and graphics.



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Order code: STM32L152C-DISCO