STM32L4 Discovery kit for STM32L476 MCU

GETTING STARTED

1/ Select the Discovery mode: USB-powered (1) or Battery (2).

(1) Ensure that jumpers CN3, JP3, JP5 and JP6 are set to DISCOVERY, RST, ON and 3V3. Connect a "USB Type-A to Mini-B cable" cable from the STM32L476 Discovery board (connector CN1) to a PC to power the board. Then red LED LD2 (PWR) lights up.

(2) Ensure that jumpers CN3 and JP3 are not present, JP5 is set to ON and JP6 is set to BATT.

2/ Use the joystick to scroll/select the applications displayed on the LCD screen.

IDD	Displays the current (I_{DD}) consumption of the MCU's power modes
VDD	Voltage (V_{DD}) measurement
RECORD	Audio record saved in Quad-SPI Flash
PLAYER	Audio player from internal / Quad-SPI Flash
COMPASS	Compass application with calibration step
SOUND	Sound meter application
GUITAR	Acoustic guitar tuning application

3/ The demo application software as well as other software examples for exploring STM32L4 features are available at www.st.com/stm32l4-discovery

SYSTEM REQUIREMENTS

- Windows® OS (7, 8 and 10), Linux® 64-bit or macOS®
- USB Type-A to Mini-B cable

EMBEDDED SOFTWARE

STM32CubeL4 MCU Package featuring drivers, RTOS, file system, USB and graphics.

DEVELOPMENT TOOLCHAINS

- Keil® MDK-ARM[1]
- IAR™ EWARM[1]
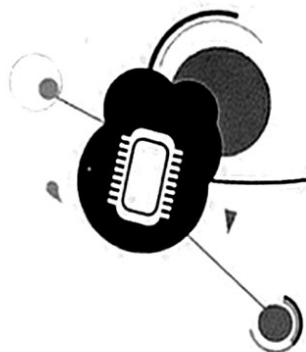- GCC-based IDEs
- Arm® Mbed™ online

1. On Windows® only

CAN ICES-3(B)/NMB-3(B)

RoHS compliant

arm MBED Enabled

life.augmented

STM32L476
Discovery kit

Ultra-low-power 32-bit MCU

STM32 L4

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DISCOVERY BOARD FEATURES

- **STM32L476 MCU features**
  - STM32L476VGT6 MCU with **80 MHz/100 DMIPS** Arm® Cortex®-M4
  - 1 Mbyte of Flash memory
  - 128 Kbytes of SRAM
- Battery- or USB-powered
- 9-axis motion sensors and MEMS microphone
- LCD segment (4×24)
- 128-Mbit Quad-SPI Flash
- Audio DAC with 3.5 mm connector
- USB OTG
- Embedded ST-LINK/V2-1 debugger/programmer
- Arm® Mbed Enabled™