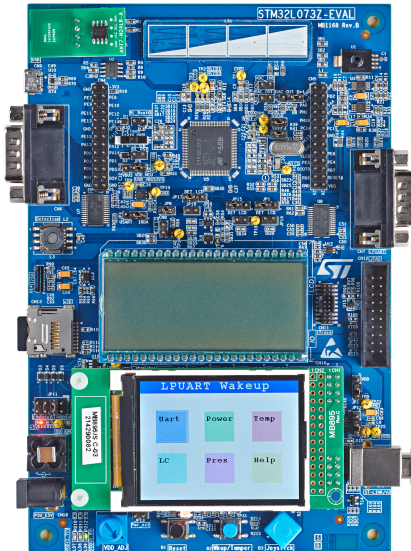


Evaluation board with STM32L073VZ MCU



Picture is not contractual.

Product status link

[STM32L073Z-EVAL](#)

Features

- STM32L073VZI6 ultra-low-power Arm® Cortex® core-based microcontroller featuring 192 Kbytes of Flash memory and 20 Kbytes of RAM in LQFP100 package
- Four 5 V power supply options: power jack, ST-LINK USB connector, user USB FS connector, or daughterboard
- Selectable MCU voltage: 3.3 V or adjustable from 1.71 V to 3.6 V
- 2.8-inch color LCD-TFT with resistive touchscreen
- LCD glass 40 x 8 segments
- On-board current measurement
- IrDA transceiver
- Pressure sensor
- LC sensor metering
- Touch sensing linear sensor
- User and reset push-buttons
- 4-direction joystick with selection button
- Board connectors:
 - 2 RS-232 with DB9
 - USB with Micro-B
 - microSD™ card
- Board expansion connectors:
 - RF-EEPROM daughter board
 - Extension connector for daughter board or wrapping board
- On-board ST-LINK/V2-1 debugger/ programmer with USB re-enumeration capability: mass storage, virtual COM port and debug port
- Comprehensive free software libraries and examples available with the STM32Cube package.
- Support of a wide choice of Integrated Development Environments (IDEs) including IAR™, Keil® and GCC-based IDEs

Description

The [STM32L073Z-EVAL](#) evaluation board is designed as a complete demonstration and development platform for the STMicroelectronics' Arm® Cortex®-M0+ core-based STM32L073VZT6 microcontroller with three I²Cs, two SPIs, four USARTs, one UART, one 12-bit ADC, two 12-bit DACs, LCD driver, up to 192-Kbyte Flash memory, 20-Kbyte RAM, 6-Kbyte EEPROM, touch sensing, USB FS, LCD controller, SWD debugging support.

The full range of hardware features on the board helps the user to evaluate all peripherals (USB FS, RS-232, USART, 12-bit ADC and DAC, color LCD-TFT, LCD glass, low-power UART, IrDA, microSD™ card, touch sensing slider, pressure measurement, temperature measurement, LC sensor metering) and to develop his applications. The extension headers offer the possibility to connect a daughter board or a wrapping board for a specific application.

An ST-LINK/V2-1 is integrated on the board as embedded in-circuit debugger, programmer for the STM32 MCU and USB Virtual COM Port bridge.

System requirements

- Windows® OS (7, 8 and 10), Linux® 64-bit or macOS®⁽¹⁾
- USB Type-A to Type-B cable

1. macOS® is a trademark of Apple Inc., registered in the U.S. and other countries.

Development toolchains

- Keil® MDK-ARM ⁽¹⁾
- IAR™ EWARM⁽¹⁾
- GCC-based IDEs including free SW4STM32 from AC6

1. On Windows® only.

General information

This document applies to an Arm®-based device.

Note: Arm is a registered trademark of Arm Limited (or its subsidiaries) in the US and/or elsewhere.



Demonstration software

The demonstration software, included in the STM32Cube MCU Package, is preloaded in the STM32 Flash memory for easy demonstration of the device peripherals in standalone mode. The latest version of the demonstration source code and associated documentation can be downloaded from the www.st.com webpage.

Ordering information

To order the STM32L073Z-EVAL evaluation board, refer to [Table 1. Ordering information](#).

Table 1. Ordering information

Order code	Target STM32
STM32L073Z-EVAL	STM32L073VZ

Revision history

Table 2. Document revision history

Date	Revision	Changes
21-Apr-2015	1	Initial release.
05-Jun-2018	2	Updated cover feature list. Updated description. Added Section System requirements . Added Section Development toolchains . Added Section Demonstration software . Added Table 1. Ordering information .

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