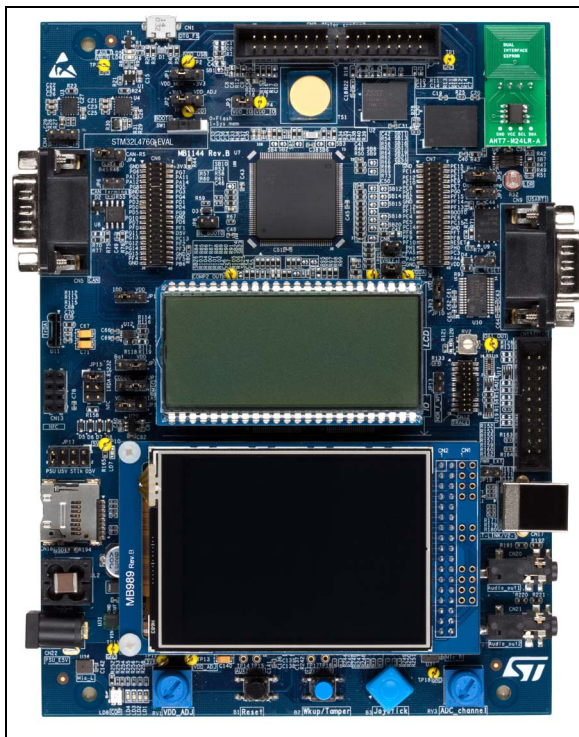


Features

- Four 5 V power supply options:
 - Power jack
 - ST-LINK/V2-1
 - USB connector
 - User USB OTG FS connector or daughterboard.
- MCU voltage choice 3.3 V or adjustable from 1.71 V to 3.6 V
- Two stereo audio jack outputs with TDM capability, stereo digital microphones
- 4 Gbyte or more microSD card SDIO interface
- 1Mx16 bits Static RAM connected to FMC bus
- 128 Mb Nor Flash memory connected to FMC bus
- Quad SPI memory in DTR mode
- RF-EEPROM on I2C interface
- I2C EEPROM at 1MHz speed
- RS232 interface configurable for communication or Flashloader
- LPUART access through USB Virtual ComPort of ST-LINK/V2-1
- IrDA transceiver
- USB OTG FS connector
- CAN 2.0A/B compliant interface
- Joystick with 4-directions control and selector
- Reset and Tamper or Key buttons
- Touch sensing button
- Light Dependent Resistor (LDR)
- Potentiometer
- Back-up coin cell
- LCD glass 40x8 segments connected to LCD driver of STM32L476ZGT6
- A 2.8 inches color LCD TFT with resistive touchscreen



1. Picture not contractual
 - Smartcard connector with SWP feature
 - NFC transceiver connector
 - One ADC & DAC input signal connector
 - Sigma-delta interface with power metering demo
 - PT100 thermal sensor with a dedicated sigma-delta modulator
 - MCU consumption measurement circuit
 - Access to positive inputs and outputs of internal Comparator and Operational Amplifier
 - Motor Control connector
 - JTAG/SWD, ETM trace debug support, ST-LINK/V2-1 embedded
 - Extension connector for daughterboard or wrapping board

1 Description

The STM32L476G-EVAL evaluation board has been designed as a complete demonstration and development platform for STMicroelectronics ARM[®] Cortex[®]-M4 core-based STM32L476ZGT6 microcontroller with three I2C, three SPI, six USART, CAN, SWPMI, two SAI, 12bit ADC, 12bit DAC, LCD driver, internal 128 Kbyte SRAM and 1 Mbyte Flash memory, Quad SPI, Touch sensing, USB OTG FS, LCD controller, FMC, JTAG debugging support.

The full range of hardware features on the board can be used to evaluate all peripherals (USB OTG FS, USART, digital microphones, 12bits ADC and DAC, dot-matrix TFT LCD, LCD glass, IrDA, LDR, SRAM, Nor Flash, Quad SPI memory, MicroSD card, Sigma-delta modulators, Smartcard with SWP, CAN, I2C EEPROM, RF-EEPROM) and develop user's applications. Extension headers make it possible to easily connect a daughterboard or wrapping board for a specific application.

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

2 Ordering Information

To order the STM32L476G-EVAL board, use the order code: STM32L476G-EVAL.

3 Revision history

Table 1. Document revision history

Date	Revision	Changes
21-Jan-2015	1	Initial release.

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