

### Features

- Three 5 V power supply options: power jack, ST-LINK connector or daughterboard
- Boot from user Flash, system memory or SRAM
- Speaker
- 1 Gbyte microSD Card™ or more
- 16 Mbyte serial Flash
- I2C/SMBus compatible serial interface temperature sensor
- Two RS-232 communication channels with support for RTS/CTS handshake on one channel
- IrDA transceiver
- Induction motor control connector
- JTAG and SWD debug support
- 240x320 TFT color LCD
- Joystick with 4-direction control and selector
- Reset, wakeup, tamper and user push buttons
- Four LEDs
- RTC with backup battery
- Extension connector for daughterboard or wrapping board
- Embedded ST-LINK
- IDD current measurement circuit
- HDMI CEC

### Description

The STM32100B-EVAL evaluation board is designed as a complete development environment for the STMicroelectronics ARM™ Cortex-M3 core-based STM32F100VBT6 128-Kbyte microcontroller.

With a complete range of hardware evaluation features, the STM32100B-EVAL board is



designed to help developers evaluate all device peripherals (such as HDMI CEC, motor control, LCD, microSD Card™, serial Flash, speaker, IrDA and USART) and develop their own applications.

Extension connectors make it possible to easily connect a daughterboard or wrapping board for a specific application.

An ST-LINK is integrated on the board as an embedded in-circuit debugger and programmer for the STM32F100VBT6 MCU.

**Table 1. Device summary**

Order code	Reference
STM32100B-EVAL <sup>(1)</sup>	STM32F100VBT6 evaluation board

1. STM32100B-EVAL is replaced by STM32100E-EVAL.

## Demonstration software

Demonstration software is preloaded in the board's Flash memory for easy demonstration of the device peripherals in stand-alone mode. For more information and to download the latest version available, refer to the STM32100B-EVAL demonstration software available on [www.st.com](http://www.st.com).

## Revision history

**Table 2. Document revision history**

Date	Revision	Changes
09-Aug-2010	1	Initial release.
11-Jun-2013	2	Modified <a href="#">Table 1: Device summary</a> as STM32100B-EVAL is replaced by STM32100E-EVAL.

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