

## Evaluation board for STR71xF devices

Data brief

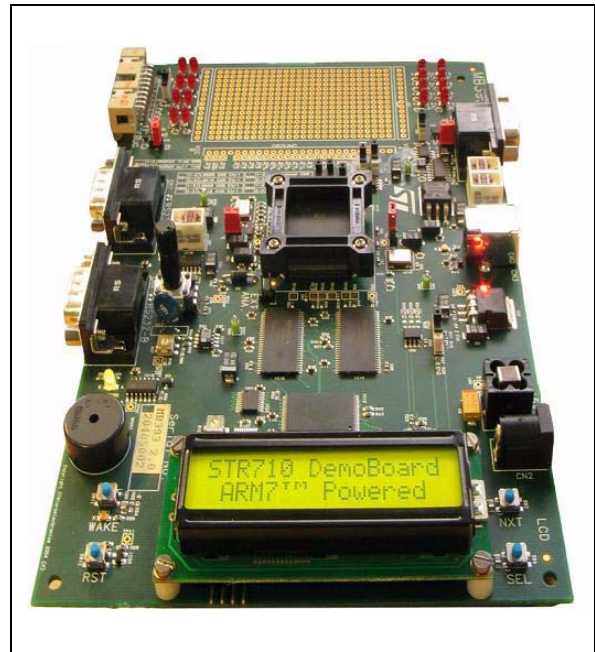
### Features

- STR710FZ2T6 with processor running at up to 48 MHz, in a 144-pin TQFP package with:
  - 256 Kbytes Flash program memory
  - 64 Kbytes RAM
  - Embedded 1.8V voltage regulator for core supply
  - Nested interrupt controller and more
- Hardware features for evaluating a range of device peripherals including:
  - USB
  - CAN
  - RS-232
  - I2C EEPROM
  - SPI Flash
  - 2x16 character LCD display
  - 4 Mbytes EMI SRAM (2 M x 16)
  - 4 Mbytes EMI Flash (2 M x 16)
  - User test buttons
  - Analog channel
- Industry standard JTAG connector for development tool support

### Description

The STR710-EVAL evaluation board is a cost effective, flexible and open design board that demonstrates and evaluates the capabilities of the STR71xF series microcontrollers and all available peripherals.

It includes a high performance STR710FZ2T6 ARM7TDMI™ core-based MCU with 2 Mbits embedded Flash with best-in-class random access time and 64 KB on-chip high speed SRAM. This memory enables full freedom in development of large programs before custom hardware is designed.



The STR710-EVAL integrates a 2x16 LCD, LEDs, UART, CAN and USB interfaces, piezo buzzer and test buttons in a versatile stand-alone test platform.

A wide choice of development tool support is readily available from third-party tool suppliers.

**Table 1. Device summary**

Order code	Reference
STR710-EVAL	Evaluation board for STR71xF devices

## Revision history

**Table 2. Document revision history**

Date	Revision	Changes
18-Oct-2010	1	Initial release.

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