

## Raisonance EvoPrimer-LAB to monitor STM32 applications and standalone STM32 Flash programming

Data brief

### Features

- EvoPrimer-LAB includes:
  - EvoPrimer base
  - RLink-ADP and SWD adapter for connection to external hardware
  - Firmware supporting "LAB" capabilities
  - RKit-ARM Lite License
  - Ride7 development environment
- EvoPrimer-LAB upgrade includes:
  - RLink-ADP and SWD adapter for connection to external hardware
  - MicroSD memory card
  - Firmware supporting "LAB" capabilities
  - RKit-ARM Lite License
  - Ride7 development environment



# 1 Description

The EvoPrimer-LAB is a complete solution (hardware and software) that allows users to take advantage of the EvoPrimer ecosystem to either monitor STM32 application variables and addresses during execution or program STM32 on target application boards, without being connected to a PC.

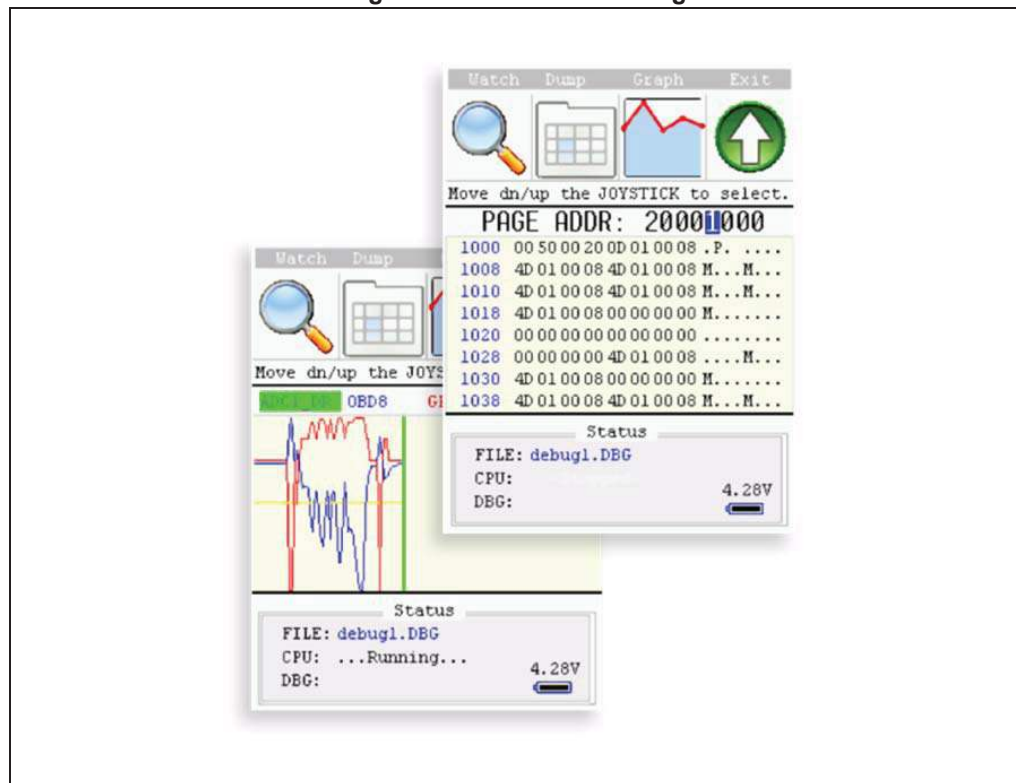
The EvoPrimer-LAB is composed of the EvoPrimer base and an RLink-ADP and SWD adapter for connection to external hardware via an SWD connection.

The RLink-ADP is inserted in the EvoPrimer base in the target board slot.

The EvoPrimer-LAB supports 3 modes of operation: as an RLink, a standalone application monitoring tool, or a standalone Flash programming tool.

- As an RLink, providing debugging, SWV trace and programming of external hardware while connected to a PC with Ride7 or RFlasher.
- As a standalone application monitoring tool, to view STM32 application variables, memory addresses and peripheral registers during an application execution.
- As a standalone Flash programming tool.

Figure 1. Remote monitoring



## 2 Ordering information

The Primers are available from the STMicroelectronics sales offices and distributors. For more information and complete documentation, please visit [www.stm32circle.com](http://www.stm32circle.com) or the STMicroelectronics microcontroller support site [www.st.com](http://www.st.com).

**Table 1. Order codes**

ST order code	Description
STM32PRIM-LAB	Complete EvoPrimer-LAB
STM32PRIM-LABUPG	Upgrade from an EvoPrimer base to an EvoPrimer-LAB

### 3 Revision history

Table 2. Document revision history

Date	Revision	Changes
14-Oct-2013	1	Initial release.

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