

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.

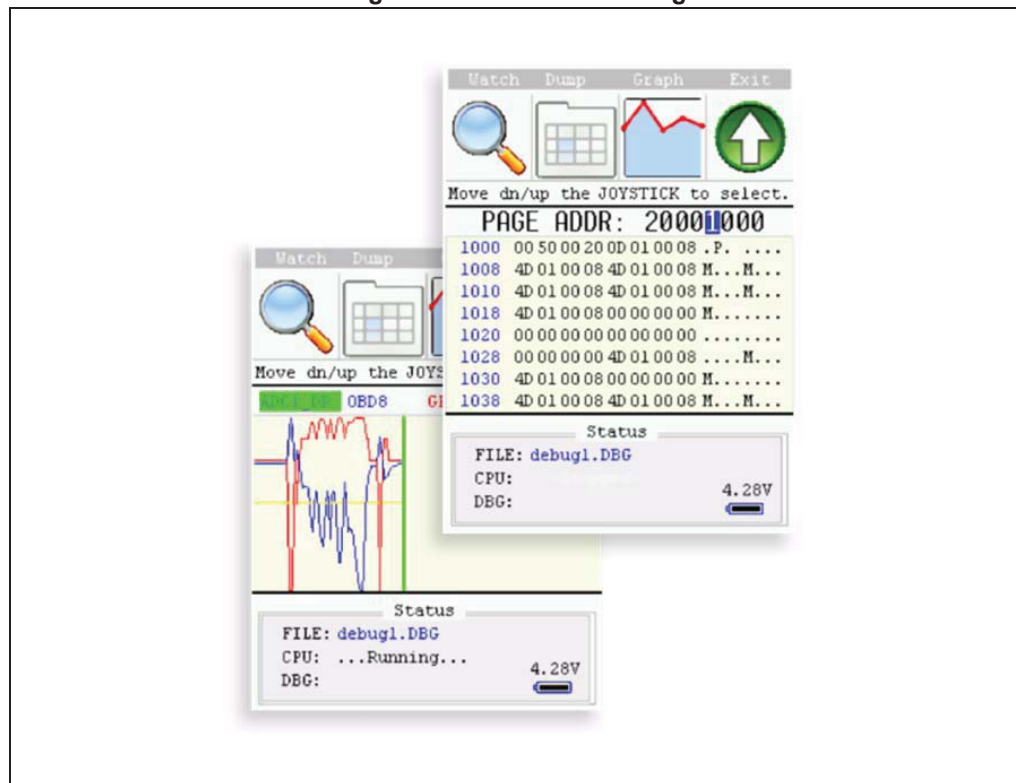
The EvoPrimer-LAB is composed of the EvoPrimer base and an RLink-ADP and SWD adapter for connection to external hardware via an SWD connection.

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 or the STMicroelectronics microcontroller support site 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.

Please Read Carefully:

Information in this document is provided solely in connection with ST products. STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, modifications or improvements, to this document, and the products and services described herein at any time, without notice.

All ST products are sold pursuant to ST's terms and conditions of sale.

Purchasers are solely responsible for the choice, selection and use of the ST products and services described herein, and ST assumes no liability whatsoever relating to the choice, selection or use of the ST products and services described herein.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted under this document. If any part of this document refers to any third party products or services it shall not be deemed a license grant by ST for the use of such third party products or services, or any intellectual property contained therein or considered as a warranty covering the use in any manner whatsoever of such third party products or services or any intellectual property contained therein.

UNLESS OTHERWISE SET FORTH IN ST'S TERMS AND CONDITIONS OF SALE ST DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE USE AND/OR SALE OF ST PRODUCTS INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (AND THEIR EQUIVALENTS UNDER THE LAWS OF ANY JURISDICTION), OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

ST PRODUCTS ARE NOT DESIGNED OR AUTHORIZED FOR USE IN: (A) SAFETY CRITICAL APPLICATIONS SUCH AS LIFE SUPPORTING, ACTIVE IMPLANTED DEVICES OR SYSTEMS WITH PRODUCT FUNCTIONAL SAFETY REQUIREMENTS; (B) AERONAUTIC APPLICATIONS; (C) AUTOMOTIVE APPLICATIONS OR ENVIRONMENTS, AND/OR (D) AEROSPACE APPLICATIONS OR ENVIRONMENTS. WHERE ST PRODUCTS ARE NOT DESIGNED FOR SUCH USE, THE PURCHASER SHALL USE PRODUCTS AT PURCHASER'S SOLE RISK, EVEN IF ST HAS BEEN INFORMED IN WRITING OF SUCH USAGE, UNLESS A PRODUCT IS EXPRESSLY DESIGNATED BY ST AS BEING INTENDED FOR "AUTOMOTIVE, AUTOMOTIVE SAFETY OR MEDICAL" INDUSTRY DOMAINS ACCORDING TO ST PRODUCT DESIGN SPECIFICATIONS. PRODUCTS FORMALLY ESCC, QML OR JAN QUALIFIED ARE DEEMED SUITABLE FOR USE IN AEROSPACE BY THE CORRESPONDING GOVERNMENTAL AGENCY.

Resale of ST products with provisions different from the statements and/or technical features set forth in this document shall immediately void any warranty granted by ST for the ST product or service described herein and shall not create or extend in any manner whatsoever, any liability of ST.

ST and the ST logo are trademarks or registered trademarks of ST in various countries.

Information in this document supersedes and replaces all information previously supplied.

The ST logo is a registered trademark of STMicroelectronics. All other names are the property of their respective owners.

© 2013 STMicroelectronics - All rights reserved

STMicroelectronics group of companies

Australia - Belgium - Brazil - Canada - China - Czech Republic - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan - Malaysia - Malta - Morocco - Philippines - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States of America

www.st.com

