Accompanying Innovation from Start to Finish

A complete range of solutions facilitate exploration of new microcontroller technologies, creation of software / hardware applications, product validation, production and maintenance.

- Extensive device support
  - ST85 - ST8L energy lite - ST8A automotive - ST7
- Ride7 Integrated Development Environment
- Raisonance C toolchain for STM8 & ST7
- Robust debugger/programmer
- Starter & evaluation kits

Software solutions

Ride7 development environment seamlessly integrates hardware & 3rd party tools to meet diverse needs:
- Editor, manager, debug & programming interfaces
- Raisonance C compiler
- Script manager, editor
- Plugins integrate 3rd party software tools

RLink

Robust solution for debugging and programming in a laboratory or production environment:
- SWIM & ICC connections supported
- Complete hardware / software development & programming solution
- Additional supported protocols JTAG, SWD

REva

Complete solution for exploring and starting application development on a range of STM8 & ST7 microcontrollers:
- Modular design for support of multiple devices from a common platform
- Variety of pertinent evaluation hardware features
- Integrated RLink debugger / programmer
Complete Hardware / Software Solutions

The Raisonance engineering team masters both hardware and software tool implementation to offer customers complete, integrated development solutions that meet a variety of needs from device evaluation and system prototyping to support and maintenance of deployed products.

Ride7 & RKit-STM8 software tools

Ride7 is the software environment common to all Raisonance tool solutions, which support a range of microcontroller core technologies. Ride7 with RKit-STM8 software provides everything needed to code, compile and debug applications for STM8 and ST7 core-based MCUs.

The Ride7 solution for STM8 and ST7 integrates:

- **Raisonance C compiler** with patented post link optimization tools for small code footprint & supporting IEEE-754 floating point format
- **Project manager** with productivity features:
  - Script manager for task automation
  - Advanced code editor
  - Plugins for 3rd party tools
- **Seamless transition between editor, compiler, debugger & device programmer**

Programming & debugging

The RLink programmer and debugger is a robust professional solution that is equally adapted to design laboratories and production environments. It offers:

- SWIM & ICC target interfaces
- Power supply from USB
- Support by Ride & RFISher software interfaces
- Programming via command line interface
- Also supports JTAG, SWD interfaces for ARM core-based MCUs

Evaluation & starter kits

Starter kits for STM8 & ST7 include modular systems designed for flexibility to meet diverse user needs and types of applications:

- **REva** starter kits with integrated RLink (SWIM, ICC) provide a wide range of hardware features and interchangeable daughter boards with STM8S, ST7Lite, ST7232x, ST7234x & ST7236x devices.
- **Open4-STMBL152** primer development & prototyping platform (SWIM) with STM8L target board & rich range of hardware features on an autonomous battery powered platform. Includes sample application sources and dedicated support site, www.stm8circle.com.

Products & purchasing

All products are available through Raisonance distributors and online shop. Visit www.raisonance.com

- **RKH8-STM8**: RKit-STM8 Enterprise software licence for unlimited compiting & RLink for debugging, programming STM8 & ST7 applications. 1135.00 Euros
- **RLink-STD**: RLink with RKit-STM8 Lite licence (Limited compiler). Unlimited programming & debugging. 99.00 Euros
- **Open4-STMBL152**: Primer platform with target MCU and RKit-STM8 Lite licence (Limited compiler). 154.00 Euros
- **STM85208-SK**: REva platform with target STM8 MCU and RKit-ARM Lite licence (Limited compiler). 154.00 Euros

The following daughter boards are also available: STM8S105, STM85903, ST7Lite49, ST7Lite51, ST7Lite18, ST7Lite10, ST7LiteUS

For information about available ST7 starter kits, please refer to the online catalog at www.raisonance.com.

* Products also resold under the name EvaPrimer via STMicroelectronics’ sales offices and distributors.