



**RAISONANCE**  
a KEOLABS brand

## Development tools for STM8 & ST7 core-based MCUs

### 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  
- **ST8S** - **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

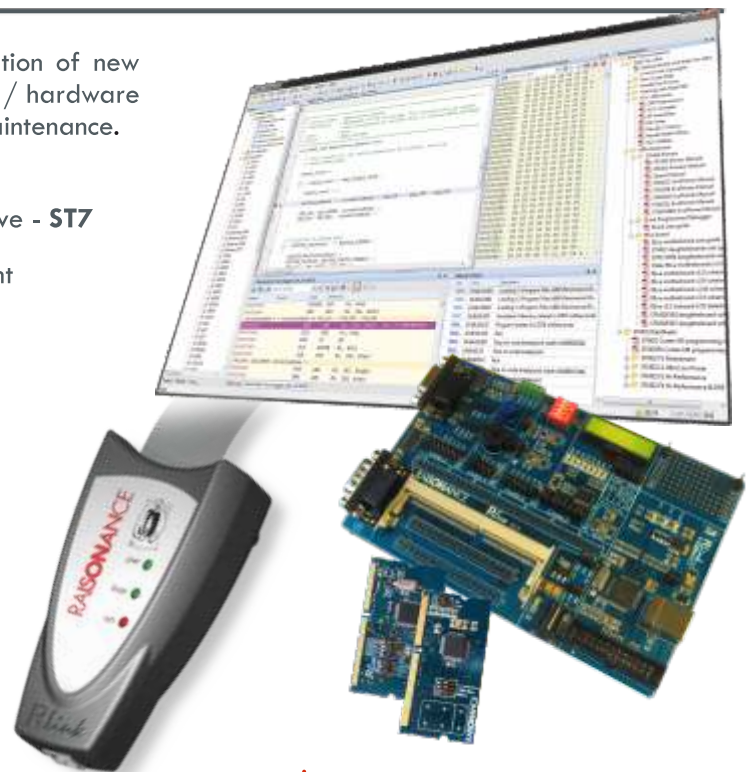
Robust solution for debugging and programming in a laboratory or production environment:

- 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 & RFlasher 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-STM8L152** 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](http://www.stm8circle.com).

### Products & purchasing

All products are available through Raisonance distributors and online shop. Visit [www.raisonance.com](http://www.raisonance.com)

- /// **RKit-STM8**: RKit-STM8 Enterprise software licence for unlimited compiling & 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-STM8L152\***: Primer platform with target MCU and RKit-STM8 Lite licence (limited compiler). 154.00 Euros
- /// **STM8S208-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, STM8S903, ST7Lite49, ST7Lite3, ST7Lite1B, ST7Lite0, ST7LiteUS

For information about available ST7 starter kits, please refer to the online catalog at [www.raisonance.com](http://www.raisonance.com).

\* Products also resold under the name **EvoPrimer** via STMicroelectronics' sales offices and distributors.

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17, av Jean Kuntzmann  
38330 Montbonnot  
FRANCE

Tel: +33 (0)4 76 61 02 30  
Fax: +33 (0)4 76 41 81 68

[info@raisonance.com](mailto:info@raisonance.com)

[www.raisonance.com](http://www.raisonance.com)