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

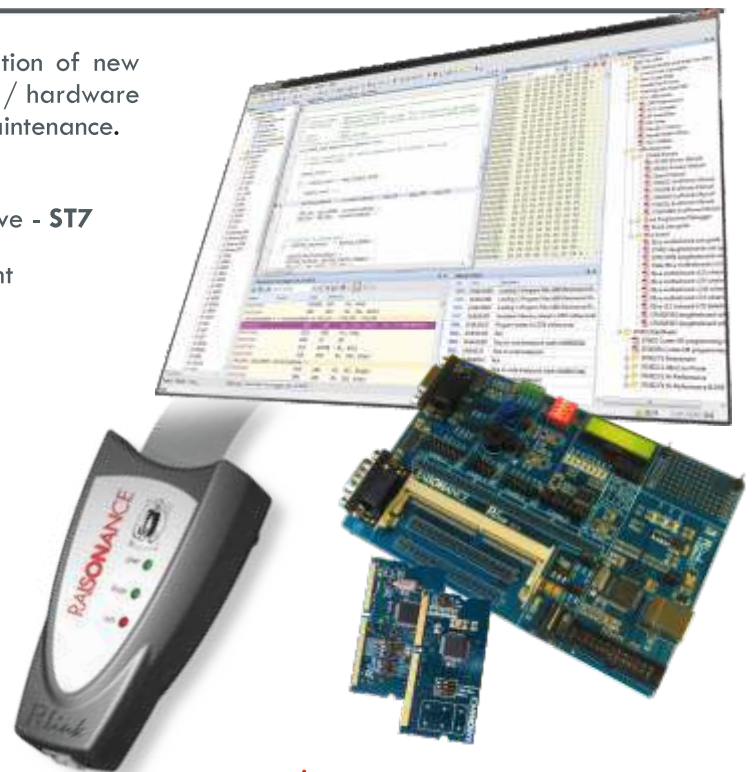/ Plugins integrate 3rd party software tools

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.

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