



## Red Suite™ 3

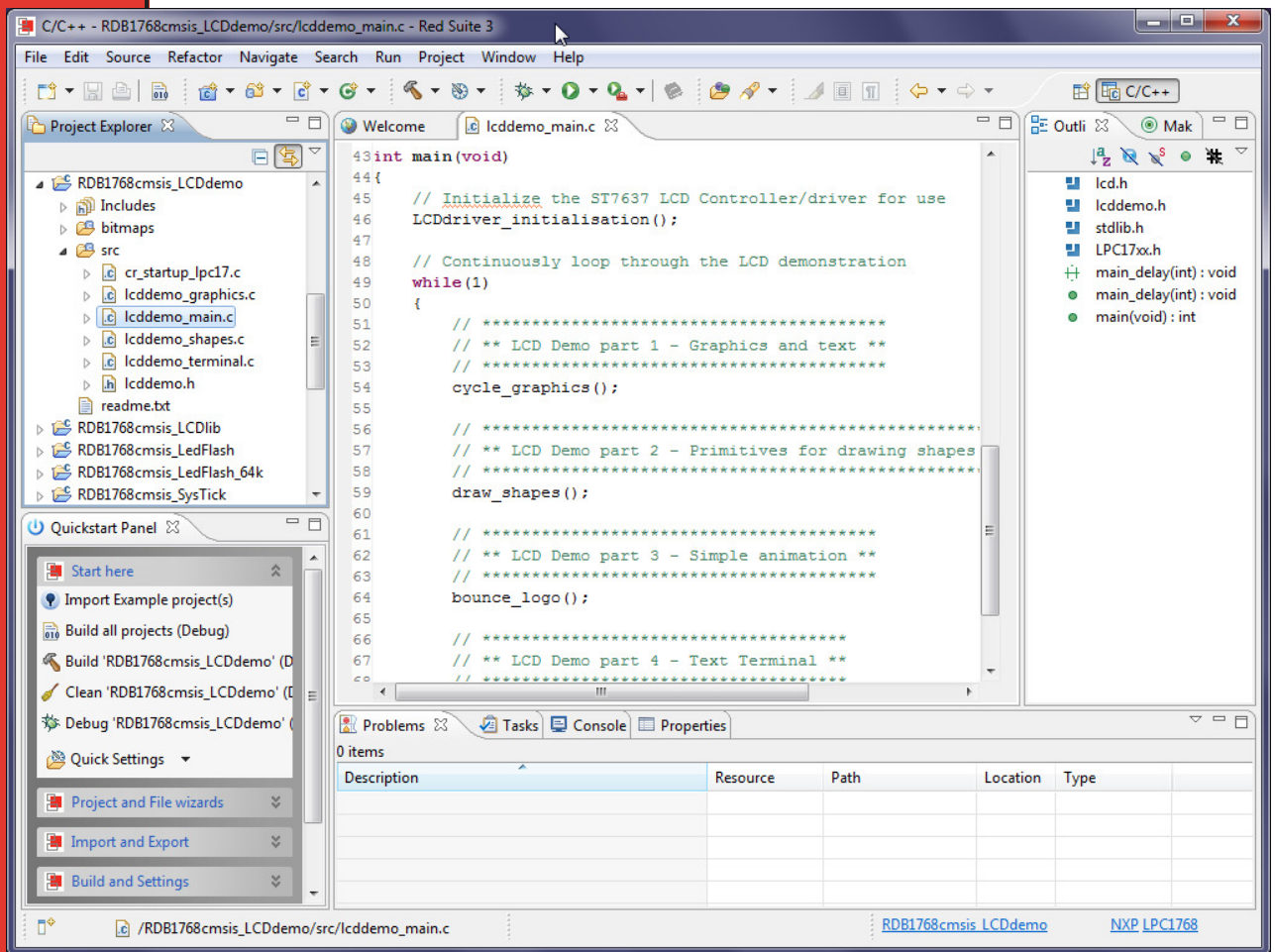
Development tools for ARM® based Microcontrollers

Professional tools for less than \$1000

### RED SUITE 3

Red Suite is a highly integrated software development environment for ARM-based Microcontrollers, which includes all the tools necessary to develop high quality software solutions in a timely and cost effective fashion.

The Red Suite IDE is based on the latest version of Eclipse with many ease-of-use and Micro-controller specific enhancements. It also features the industry standard GNU toolchain allowing us to provide professional quality tools at low cost.



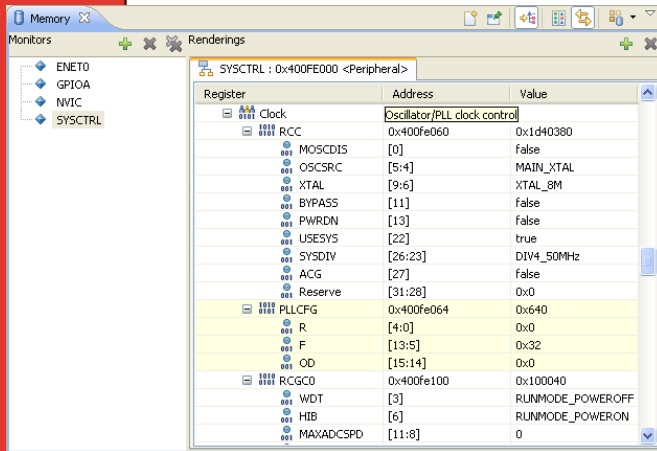
### KEY BENEFITS

- Sophisticated Eclipse-based Integrated Development Environment.
- Device-specific support for more than 200 microcontrollers from NXP and Luminary Micro
- Unique Red Trace capabilities giving unprecedented visibility into microcontroller execution.
- Wizards to create microcontroller programming frameworks, fast.
- Peripherals views of all supported microcontrollers.
- Full support for both JTAG and low-pin count SWD debugging via Red Probe and LPC-Link
- No-fuss, single install for complete product.
- Includes 1-year of email-based support with each purchased copy of the tools.
- Fully functional 90-day evaluation.
- Available for Windows XP and Windows Vista, Windows 7, 32-bit and 64-bit
- Discounts available: 20% for 2-5 copies, 25% for 6-10, 30% for 11+
- 10% Discount for users of LPCxpresso IDE (Contact Code Red for details)

# Features

## PERIPHERAL VIEWS

The peripheral viewer provides complete visibility of all registers and bit-fields in all target peripherals in a simple tree-structured display.



Peripheral View

The Red Suite Integrated Development Environment (IDE) provides a C/C++ programming environment second to none, with syntax-coloring, source formatting, function folding, online and offline integrated help, extensive project management automation and integrated source repository support (CVS integrated or Subversion via download).

Features include:

- Wizards create projects for all supported microcontrollers
- Automatic linker script generation including support for microcontroller memory maps
- Direct download to flash when debugging
- Inbuilt Flash programmer
- Built-in datasheet browser

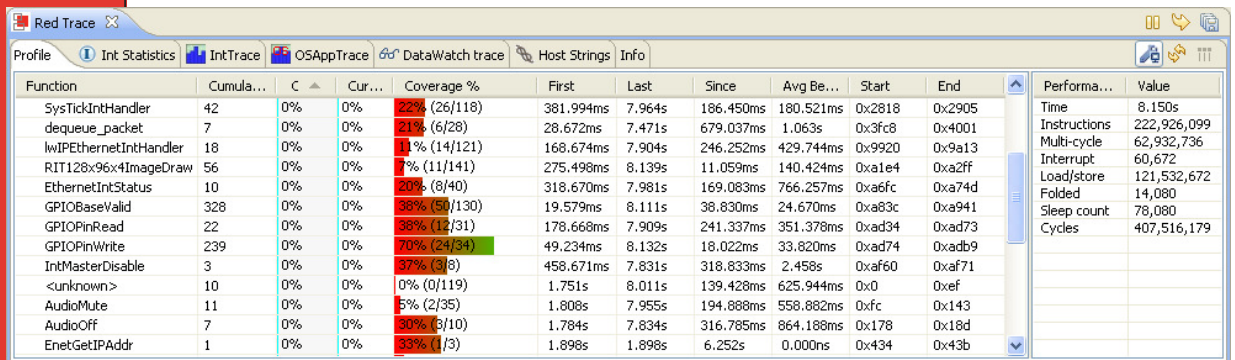
## RED TRACE

When used with Red Probe on Cortex-M3 based Microcontrollers, the integrated Red Trace functionality gives the developer an unprecedented level of visibility into what is really happening on the target device.

Unlike traditional trace solutions, Red Trace gathers trace data non-intrusively while the target application continues to run at full speed.

With Cortex-M3 based microcontrollers, Red Suite can take advantage of its advanced features, including:

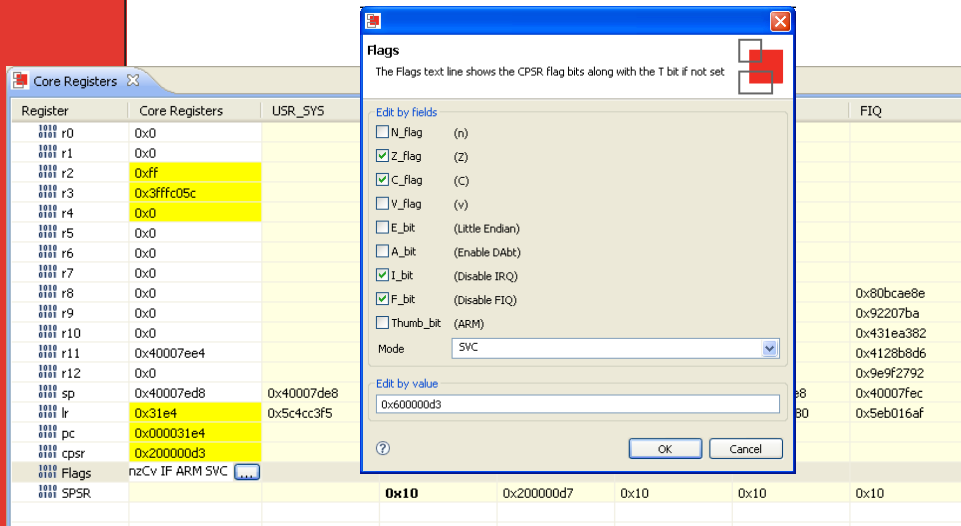
- Full support for Serial Wire Viewing (SWV) through our Red Trace™ technology, unique in its class of tools
- No assembler required, even for start-up code and interrupt handlers.



Profile Trace

## REGISTER VIEW

A powerful processor-register viewer is provided that gives access to all processors register and provides smart formatting for complex registers such as flags and status registers.



ARM7 Register View and Flags editor



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