
ST Visual Develop IDE for developing ST7 applications

Data brief

Features

- Efficient and easy application building/writing
 - Text editor with color-syntax highlighting, brace matching and auto completion
 - Seamless integration of C compilers and ST Assembler controls at project level
 - MCU selection to build applications for a specific microcontroller
 - C Compiler support includes Cosmic C compiler and Raisonance C compiler (both available at www.raisonance.com)
- Debug with tools ranging from free simulator to high-end emulator
 - Project manager
 - Simulator with Plotter displaying evolution of inputs on simulated I/Os, and values of registers and variables during application runs
 - STIce advanced emulator offering advanced breakpoints, large trace, code coverage and profiling for STM8 microcontrollers
 - High-end ST7-EMU3 series emulators offering advanced break points and large configurable trace
 - Cost-effective ST7-DVP3 series emulators offering advanced break points and configurable trace
 - ST7 Flash STICK in-circuit debugger/programmer
 - Low-cost RLink from Raisonance and ST-LINK in-circuit debugger/programmers
- Program applications to the selected MCU
 - Integrated programming interface to program microcontrollers directly, without leaving STVD
 - Read, Write and Verify Flash memory option bytes
 - ST7 Flash STICK in-circuit debugger/programmer

- ST7-EPB programmers
- ST7SB Socket Boards provide programming sockets for any tool capable of in-circuit programming via an ST7 ICC connection (RLink, STICK, ST7-DVP3, ST7-EMU3)

Description

ST Visual Develop (STVD) provides an easy-to-use, efficient environment for start-to-finish control of application development, from building and debugging the application code up to microcontroller programming.

STVD is delivered as part of the free ST MCU Toolset, which also includes the ST Visual Programmer (STVP) programming interface and the ST Assembler Linker.

To build applications, STVD provides seamless integration of C and Assembly tool chains for ST 8-bit microcontrollers, including the Cosmic and Raisonance C compilers and the ST Assembler Linker.

During debug, STVD provides an integrated Simulator (software) and supports a complete range of hardware tools, including low-cost RLink and ST-LINK in-circuit debugger/programmers, the cost-effective ST7-DVP3 and the high-end ST7-EMU3 series emulators for ST7 microcontrollers, and the STIce advanced emulator for STM8 microcontrollers.

In the programming phase STVD also provides an interface for reading, writing and verifying the microcontroller Flash memory without leaving STVD. This interface is based on ST Visual Programmer (STVP), and supports all the target devices and programming tools supported by STVP.

Revision history

Table 1. Document revision history

Date	Revision	Changes
01-Mar-2016	1	Initial release.
03-Mar-2016	2	Updated title.

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