STM-STUDIO-STM8

STM Studio run-time variables monitoring and visualization tool for STM8 microcontrollers

Data brief

Features

- Runs on PCs with Microsoft® Windows XP, Vista and Windows 7 OS
- Connects to any STM8 via ST-LINK, RLink or STICE (SWIM protocol)
- Reads on-the-fly (non intrusive) variables from RAM while application is running
- Parses DWARF debugging information in the ELF application executable file
- 2 types of viewer:
  - Variable viewer - Real-time waveforms, oscilloscope-like graphs
  - TouchPoint viewer - Association of 2 variables, one on the X axis, one on the Y axis
- Possibility to log data into a file, and replay later (exhaustive record display, not real-time)

Description

STMicroelectronics STM Studio helps to debug and diagnose STM8 applications while they are running by reading and displaying their variables in real-time.

Running on a PC, STM Studio interfaces with STM8 via standard development tools, such as the low cost ST-LINK and RLink along with the high-end STM8 STice emulation system.

STM Studio is a non-intrusive tool, preserving the real-time behavior of applications.

STM Studio complements perfectly traditional debugging tools to fine tune applications. It is well suited for debugging applications which cannot be stopped, such as motor control applications.

Different graphic views are available to match the needs of debugging and diagnosis or to demonstrate application behavior.

1 Revision history

Table 1. Document revision history

Date	Revision	Changes
16-Feb-2016	1	Initial release.