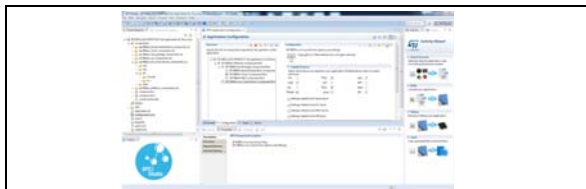


## SPC5-STUDIO for 32-bit Power Architecture<sup>®</sup> MCU's

Data brief



### Features

- OpenSource Integrated Development Environment (IDE) based on ECLIPSE with a completely new look and feel.
- Code, Makefiles, ELF, and Doc Generation based on a template structure and XML technologies easy exportable to other development environment.
- Full MISRA 2012 compliant Register Level Access (RLA) low level drivers.
- MISRA 2012 checking for customer code.
- Visual and easy to use MCU's Pins configuration perfectly aligned with the reference manual.
- Visual MCU run modes and full clock tree configuration with automatic constraints checking.
- Open source RTOS: FreeRTOS.
- Software Examples for Discovery kits and premium evaluation boards covering most used peripherals.
- Direct access to PLS debugging UDE starter kit version software.
- Updates managed through an eclipse standard dedicated market place.
- Free License GCC GNU C Compiler component provided through market place.
- Full GHS (Green Hills Software) compiler toolchain integration.
- Professional GNU "C" Compiler available from HighTec EDV-System (licensed).

### Description

SPC5Studio is built-on Eclipse Plug-in Development Environment (PDE), a market standard extensible and fully customizable environment, enabling users to define new components and third parties to develop new plug-ins. SPC5Studio generated code is ANSI C compliant and MISRA 2012 standard quality fully compliant.

SPC5Studio v.5 provides a completely new look and feel comprehensive framework to design, build and deploy Embedded Applications for SPC5 Power Architecture 32-bit Microcontrollers. With the new User Interface creating application is easier and more intuitive.

Download (for free) SPC5Studio from ST web site. Release Note is available on the SPC5Studio web page. New minor versions will be delivered through auto update notifications. Increase functionalities is possible through the Market Place which has been populated with new installable components providing high flexibility and great customization.

You can build embedded software for SPC5 MCU's by selecting the target MCU's, define the status of its resources by the Graphical User Interface and combining pre-defined software components. The application wizard module allows the users to resolve dependencies automatically and it gets "syntax error free" projects creation at first run.

For any question and contribution become member of SPC5Studio community on ST WEB.

**Table 1. Device summary**

Order code	Reference
SPC5-STUDIO	Integrated development environment for SPC56 automotive MCU family

# 1 Revision history

**Table 2. Document revision history**

Date	Revision	Changes
18-Jan-2013	1	Initial release.
13-Feb-2013	2	Changed "SPC5-Studio" in "SPC5 Studio" in all document. Changed the title "SPC5-Studio Kit" in "SPC5 Studio for 32-bit Power Architecture® MCU's". Modified <a href="#">Table 1</a> .
17-Sep-2013	3	Updated disclaimer.
04-Oct-2013	4	Updated figure in the cover page. Updated Features and Description sections.
19-Mar-2014	5	Updated Description.
27-May-2014	6	Changed figure in the cover page. Updated Features.
12-Nov-2015	7	Changed figure in the cover page. Updated Features and Description.
10-Dec-2015	8	Updated Features and Description.
04-Aug-2016	9	Updated Features and Description.

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