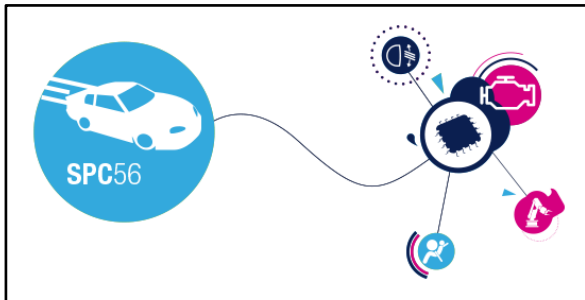




# SPC5-HTCOMP-NLTL

## SPC5 HighTec GNU "C" compiler

Data brief



- Support and maintenance service provided through STMicroelectronics® first line support

### Description

The HighTec compiler supports the full SPC56x and SPC57x product families.

The compiler is a building block of the ST automotive 32-bit microprocessor tool chain that includes a dedicated debugger and an evaluation boards set.

SPC5 Studio HighTec GNU "C" compiler is available for 30 days free trial, full feature.

One year license can be ordered directly from ST or ST franchised distributors.

SPC5 Studio can be downloaded at URL: [www.st.com/spc5studio](http://www.st.com/spc5studio).

An E2E community is available on ST WEB at URL [my.st.com/public/STe2ecomunities](http://my.st.com/public/STe2ecomunities).

### Features

- HighTec's highly optimized C/C++ compiler with multi-architecture and multi-core support
- Both Standard Eclipse and SPC5 Studio IDE plugin with extended project settings and graphical interface for linker description configuration
- Supports SPC56 and SPC57 automotive product family, including:
  - BookE, VLE, FPU, SPE and LSP
  - GTM/MCS
  - Multi-core
  - Position Independent Code (PIC) and Data (PID)
- Compliant with ISO and EABI standards
- Latest optimization strategies
  - Small Data Pointer functionality: about 20% code and run-time improvement
  - Global optimization strategies
  - Module-based grouping of data to minimize load address operation
  - Options per file and source code fragments
- Optimized for Auto-Coding
- Open Source libraries

Table 1: Device summary

Order code	Reference
SPC5-HTCOMP-NLTL	1 year HighTec GNU "C" compiler License

# 1 SPC5 HighTec GNU “C” compiler details

SPC5 HighTec GNU “C” compiler is an ST dedicated version of HighTec commercial version that recently got ISO26262 ASIL-D certification.

While the compiler engine is unchanged the ST version adopts GPL3 open source libraries of absolute quality with bug fixing support.

The move to the commercial product based on proprietary libraries is grant and effortless.

The product is fully integrated into ST’s SPC5 Studio development environment offering the possibility to use it just as compiler into an Eclipse environment or leverage on SPC5 Studio configuration wizard and code generation functionalities.

## 2 Revision history

Table 2: Document revision history

Date	Revision	Changes
03-Apr-2013	1	Initial release.

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