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## SPC5-UDESTK JTAG debugger for SPC5 MCUs

Data brief



### Features

- SPC5-UDESTK USB/JTAG adapter working with PLS UDE (Universal Debug Engine) Starter Kit version.
- Supports SPC5x automotive microcontroller product families.
- Supports multicore, eTPU and GTM debugging
- Provides FLASH programming of on-chip FLASH featuring Erase / Program / Verify
- Status LED's indicate the target's IO voltage, connection state and running state.
- Support service provided through STMicroelectronics

### Description

The SPC5-UDESTK is a USB/JTAG interface to enable the debugging and programming at budget price of SPC5x MCUs.

SPC5-UDESTK is fully compliant with IEEE1149.1 JTAG protocol.

SPC5-UDESTK supports you while building applications and you can run and test your software in a convenient and cost-efficient way. It offers a collection of tools including source file management, project building and powerful HLL debugger with high-speed communication paths to the customer's hardware target system with target monitor.

There are three kit bundle versions available including the SPC5-UDESTK USB/JTAG adapter and the debugger SW.

SPC-UDESTK-EVAL includes a perpetual, full-feature, limited code-size (256 kBytes) license

SPC-UDESTK-FULL includes a one-year, full-feature, unlimited code-size license.

SPC-UDESTK-PLUS includes a perpetual, full-feature, unlimited code-size license

SPC-UDESTK can be ordered directly from ST or ST franchised distributors.

To download the debugger software and to activate license go to following URL:

[www.pls-mc.com/spc5-udestk](http://www.pls-mc.com/spc5-udestk).

The SPC5-UDESTK debugger is accessible via ST's free integrated development environment, SPC5Studio, which can be downloaded from ST WEB (free download).

E2E Community is available on ST WEB.

**Table 1. Device summary**

Order code	Reference
SPC5-UDESTK-EVAL	USB/JTAG Adapter with perpetual, full-feature, limited code-size (256 kBytes) license
SPC5-UDESTK-FULL	USB/JTAG Adapter with one-year, full-feature, unlimited code-size license.
SPC5-UDESTK-PLUS	USB/JTAG Adapter with perpetual, full-feature, unlimited code-size license

# 1 System requirements, HW and SW resources

## 1.1 System requirements

- Windows® PC (XP, Vista, 7, or 8)
- USB type A to mini-B cable

## 2 Revision history

Table 2. Document revision history

Date	Revision	Changes
22-May-2013	1	Initial release.
10-Jun-2013	2	Updated <i>Features list</i> <i>Section 1.1: "SPC5-UDESTK starter kit details"</i> : - Removed GTM debugging
02-Sep-2013	3	Updated all document.
17-Sep-2013	4	Updated Disclaimer.
01-Oct-2013	5	Updated Description.
08-May2015	6	Updated Cover page and added <a href="#">Section 1: System requirements, HW and SW resources</a> .
06-Aug-2015	7	Typos.
23-Nov-2016	8	Changed SPC56 and SPC57 in <i>SPC5x</i> .

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