

## SPC5-UDESTK JTAG debugger for SPC5 MCUs



### 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
- Supports 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.

It includes a perpetual, full-feature, limited code-size (256 kBytes) license.

SPC5-UDEDEBG-TL is a one-year, full-feature, unlimited code-size license.

SPC5-UDEDEBG is a perpetual, full-feature, unlimited code-size license.

SPC5-UDESTK can be ordered directly from ST or ST franchised distributors.

To download the debugger software and to activate license go to pls-mc.com web site.

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

ST Community is available on ST.COM.

| Product status link            |  |
|--------------------------------|--|
| SPC5-UDESTK                    |  |
| Product summary                |  |
| Order code                     | Reference  |
| SPC5-UDESTK-EVAL               | SPC-UDESTK HW adapter plus perpetual, full-feature free of charge license, but with code size limitation to 256 kB |
| SPC5-UDEDEBG-TL <sup>(1)</sup> | One-year, full-feature, unlimited code-size licence  |
| SPC5-UDEDEBG <sup>(1)</sup>    | Perpetual, full-feature, unlimited code-size licence   |

1. Require SPC5-UDESTK-EVAL

## **1 System requirements, HW and SW resources**

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### **1.1 System requirements**

- Windows PC (Windows 10, 7, or 8)
- USB type A to mini-B cable

## 2 Device features

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Some features may be available only for specific devices and software version.  
Multicore debug is available only for low and mid end devices.  
Please refer to relevant release notes.

## Revision history

**Table 1. Document revision history**

| Date        | Version | Changes   |
|-------------|---------|---|
| 22-May-2013 | 1       | Initial release.  |
| 10-Jun-2013 | 2       | Updated Features list<br>Section 1.1: "SPC5-UDESTK starter kit details":<br>- 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 Section 1: System requirements, HW and SW resources.                     |
| 06-Aug-2015 | 7       | Typos.  |
| 23-Nov-2016 | 8       | Changed SPC56 and SPC57 in SPC5x.   |
| 01-Aug-2018 | 9       | Updated Features and Description.<br>Updated Section 1.1: System requirements.<br>Minor text changes. |
| 12-Jul-2019 | 10      | Updated Description.  |
| 05-May-2020 | 11      | Updated Description and Product summary table.  |
| 12-May-2020 | 12      | Updated Section Description..   |
| 22-Oct-2020 | 13      | Updated description and in cover page.<br>Minor text changes.   |

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