

## 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 Section 1.1: "SPC5-UDESTK starter kit details": - 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. Updated Section 1.1: System requirements. 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. Minor text changes.

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