SPC5-UDESTK

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.

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 downloads 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).

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

www.st.com

1 System requirements, HW and SW resources

1.1 System requirements

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

2 Device features

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 release notes.

3 Revision history

Table 2. Document revision history

Date	Revision	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*.

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