



STR91X-SK/HIT, STR7xx-SK/HIT

Hitex full-featured starter kits for STR7 and STR9

Data Brief

The **Hitex Starter Kits for ST ARM[®]** (STR91X-SK/HIT, STR750-SK/HIT, STR730-SK/HIT, STR710-SK/HIT) are complete, full-featured solutions for starting application development and evaluating the features of STMicroelectronics' ARM[®] core-based microcontrollers. They come with all the hardware and software developers need to start developing applications for STR7 and STR9 devices, including full-featured evaluation board, target microcontroller, Tantino JTAG interface and the HiTOP5 Integrated Development Environment with GNU C/C++ toolset.

Starter kit architecture

Tantino – in-circuit debugging and programming tool for ARM7TDMI™ and ARM966E™ core-based microcontrollers features USB host interface and industry standard JTAG application board interface.

Hitex evaluation board – full-featured evaluation board with target microcontroller is designed for quick and easy evaluation of a complete range of microcontroller features such as Ethernet, USB, CAN, UART, I2C and SPI, as well as the ADC peripheral. Power supply is included.

HiTOP5 software – Hitex's integrated development environment that drives the hardware and offers a full range of project management, source code editing and debugging features from an intuitive graphical interface. Includes the GNU C/C++ toolset for compiling application source files. The starter kit comes with 16K code-size limited version of the HiTOP5 IDE. HiTOP5 also supports the Tanto in-circuit debugging tool and Tanto Port Trace for STR9 microcontrollers with Embedded Trace Macrocell.

For more information about HiTOP5 downloads and updates, refer to www.hitex.com.



Starter kit key features

Tantino:

- USB interface to host PC
- JTAG standard interface
- Supports ARM7TDMI™ and ARM966E™ core-based microcontrollers

HiTOP5:

- GNU C/C++ Toolset
- HiSIM instruction simulator for ARM[®]
- Project management
- Integrated editor
- High-level language debugging
- Trace support
- Drives both Tantino and Tanto JTAG interfaces

Hitex evaluation board:

The Hitex evaluation boards include a full range of standard features and microcontroller specific features for evaluating the target MCU:

Table 1. Hitex evaluation board key features

Feature	Starter Kit			
	STR91X-SK/HIT	STR750-SK/HIT	STR730-SK/HIT	STR710-SK/HIT
Included STR microcontroller	STR912FW4	STR750FV2	STR730FZ2	STR710FZ2
20-pin JTAG interface connector	Yes	Yes	Yes	Yes
38-pin trace tool connector	Yes (footprint only)	N/A	N/A	N/A
External power supply included	Yes	Yes	Yes	Yes
Backup power supply	3V button battery	N/A	N/A	N/A
UART connector(s)	2	2	4	2
SPI	Yes	Yes	Yes	Yes
I ² C	Yes	Yes	Yes	No
CAN connector	Yes	Yes	Yes	Yes
USB connector	Yes	Yes	No	Yes
Ethernet connector	Yes	No	No	No
User LEDs	2 (7 segment LEDs)	2 (7 segment LEDs)	2 (7 segment LEDs)	8 (Simple LEDs)
LCD display	Footprint	Footprint	No	No
SD/MMC connector	Yes	Yes	No	No
Potentiometer connected to ADC	Yes	Yes	Yes	Yes
User push button(s)	5	3	No	No
Reset button	Yes	Yes	Yes	Yes
Wrap area	No	No	Yes	No
Motor control connector	34-pin header	34-pin header	No	No
Daughter board connectors	Two 50-pin headers (GP I/Os and EMI interface)	No	No	No

Ordering information

Hitex starter kits can be ordered from Hitex or from your nearest ST Distributor or sales office. Kits are currently available for the STR71xF (ST order code: **STR710-SK/HIT**), STR73xF (ST order code: **STR730-SK/HIT**), STR75xF (ST order code: **STR750-SK/HIT**) and STR91xF (ST order code: **STR91X-SK/HIT**) microcontrollers.

For more information and complete documentation, please refer to www.hitex.com or the STMicroelectronics microcontroller support site, www.st.com/mcu.

Revision history

Date	Revision	Changes
14-Dec-2005	1	Initial release.
7-Jun-2006	2	Added STR91X-SK/HIT and STR730-SK/HIT
4-Oct-2006	3	Added order code and product characteristics for STR750-SK/HIT

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