



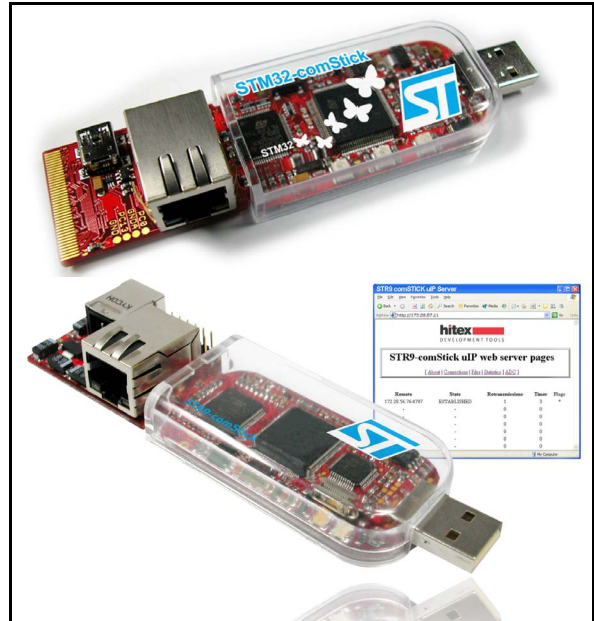
# STM32-COMSTICK STR9-COMSTICK

Hitex complete, low-cost kit for evaluation and development of  
STM32 and STR91xF in networked embedded applications

Data brief

## Features

- STM32-comStick with STM32F107VC and STR9-comStick with STR912FW
- In-circuit debugging/programming via dedicated USB connector
- Software package with
  - HiTOP IDE for programming and debugging
  - C compiler for Cortex™-M3 and ARM (no code size limit)
  - C source code for evaluation applications
  - STM32 and STR9 libraries from STMicroelectronics
  - Quick start and full documentation
  - Web links for updates, FAQs and information



## Description

The comSticks are complete, low-cost evaluation and development packages that provide a fast and easy introduction to the networking features of Cortex™-M3 STM32 and ARM966E® core-based microcontroller families.

The ComSticks include several sample applications implementing device peripherals (Ethernet, USB, CAN, ADC,...) plus a web server application so that users can explore networking of embedded applications. The C source code for all sample applications is provided so that users can modify them, and then rebuild and debug the application.

The software package includes an unlimited Hitex toolchain tailored to the ComSticks.

Software tools include an unlimited C compiler (TASKING for Cortex™-M3 and GNU for ARM) to build/rebuild the sample applications and Hitex HiTOP5 development environment for code editing, device programming and application debugging.

For programming and debugging applications, the ComSticks connect to a host PC via a dedicated USB port.

Application power is also provided via the USB connection with the host PC.

## Ordering information

The STM32-comStick and the STR9-comStick are available from STMicroelectronics' sales offices and distributors, or from Hitex and their distributors.

Software and sample applications are available for download from <http://www.hitex.com/>.

The latest versions of STM32 connectivity line and STR9 documentation and their libraries are available for free download at <http://www.st.com/mcu>.

**Table 1. Order codes**

| Order code     | Description                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STM32-COMSTICK | STM32-comStick with STM32F107VC microcontroller (Cortex™-M3 core up to 72 MHz / 90 DMIPS, 256 Kbyte Flash and 64 Kbyte SRAM, Ethernet 10/100 Mbit, USB full speed device, Host, OTG; CAN, UART, ADC, DAC,...).<br>Hitex software tools: <ul style="list-style-type: none"><li>– HiTOP IDE/debugger</li><li>– unlimited TASKING C compiler for Cortex™-M3</li><li>– application examples with part source code</li></ul> |
| STR9-COMSTICK  | STR9-comStick with STR912FW microcontroller (ARM966E RISC core up to 96 MHz, 512 + 32K FLASH and 96K RAM, 10/100 Ethernet MAC, USB full speed device; CAN, UART, ADC,...).<br>Hitex software tools: <ul style="list-style-type: none"><li>– HiTOP IDE/debugger</li><li>– unlimited GNU compiler for ARM</li><li>– all applications in source code</li></ul>                                                             |

## Revision history

**Table 2. Document revision history**

| Date        | Revision | Changes                           |
|-------------|----------|-----------------------------------|
| 28-Mar-2007 | 1        | Initial release.                  |
| 13-Aug-2009 | 2        | Added STM32-COMSTICK information. |

**Please Read Carefully:**

Information in this document is provided solely in connection with ST products. STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, modifications or improvements, to this document, and the products and services described herein at any time, without notice.

All ST products are sold pursuant to ST's terms and conditions of sale.

Purchasers are solely responsible for the choice, selection and use of the ST products and services described herein, and ST assumes no liability whatsoever relating to the choice, selection or use of the ST products and services described herein.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted under this document. If any part of this document refers to any third party products or services it shall not be deemed a license grant by ST for the use of such third party products or services, or any intellectual property contained therein or considered as a warranty covering the use in any manner whatsoever of such third party products or services or any intellectual property contained therein.

**UNLESS OTHERWISE SET FORTH IN ST'S TERMS AND CONDITIONS OF SALE ST DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE USE AND/OR SALE OF ST PRODUCTS INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (AND THEIR EQUIVALENTS UNDER THE LAWS OF ANY JURISDICTION), OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.**

**UNLESS EXPRESSLY APPROVED IN WRITING BY AN AUTHORIZED ST REPRESENTATIVE, ST PRODUCTS ARE NOT RECOMMENDED, AUTHORIZED OR WARRANTED FOR USE IN MILITARY, AIR CRAFT, SPACE, LIFE SAVING, OR LIFE SUSTAINING APPLICATIONS, NOR IN PRODUCTS OR SYSTEMS WHERE FAILURE OR MALFUNCTION MAY RESULT IN PERSONAL INJURY, DEATH, OR SEVERE PROPERTY OR ENVIRONMENTAL DAMAGE. ST PRODUCTS WHICH ARE NOT SPECIFIED AS "AUTOMOTIVE GRADE" MAY ONLY BE USED IN AUTOMOTIVE APPLICATIONS AT USER'S OWN RISK.**

Resale of ST products with provisions different from the statements and/or technical features set forth in this document shall immediately void any warranty granted by ST for the ST product or service described herein and shall not create or extend in any manner whatsoever, any liability of ST.

ST and the ST logo are trademarks or registered trademarks of ST in various countries.

Information in this document supersedes and replaces all information previously supplied.

The ST logo is a registered trademark of STMicroelectronics. All other names are the property of their respective owners.

© 2009 STMicroelectronics - All rights reserved

STMicroelectronics group of companies

Australia - Belgium - Brazil - Canada - China - Czech Republic - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan - Malaysia - Malta - Morocco - Philippines - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States of America

[www.st.com](http://www.st.com)





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.