



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,...). Hitex software tools: – HiTOP IDE/debugger – unlimited TASKING C compiler for Cortex™-M3 – application examples with part source code |
| 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,...). Hitex software tools: – HiTOP IDE/debugger – unlimited GNU compiler for ARM – all applications in source code |

Revision history

Table 2. Document revision history

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

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