ST7-STICK

Low Cost, In-Circuit Programmer for ST7

DATA BRIEF

The **ST In-circuit Communication Kit** (STICK) is a powerful, flexible easy-to-use programming tool that is ideal for getting started developing applications in the world of ST7 Flash microcontrollers.

The ST7-STICK provides the programming hardware interface between your ST7 and your host PC, running either ST7 Visual Programmer (STVP7) or ST7 Visual Develop (STVD7) software.

The STICK takes advantage of the In-Circuit Communication (ICC) protocol for ST7 to provide In-Circuit Programming (ICP) of the ST7 soldered on your application board. In addition, when combined with an ST7SBxx socket board, it provides a platform for on-socket programming of your ST7 microcontrollers.

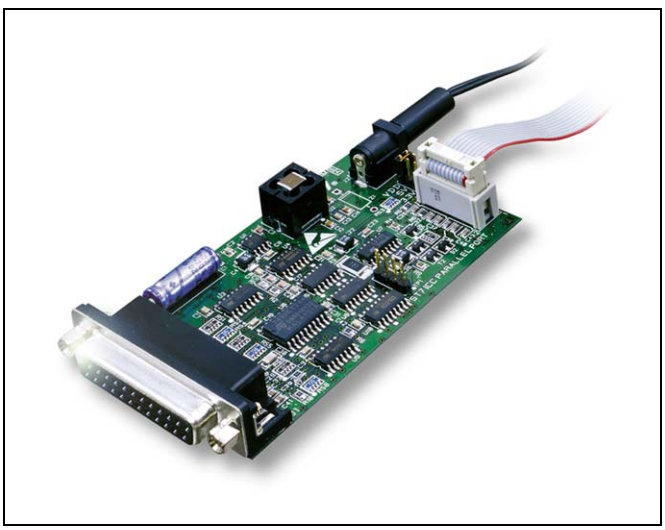

Figure 1: ST7-STICK Programmer

Programming Tool Architecture

ST7-STICK programming board – Provides the communication interface with the host PC via parallel port. It connects to the ST7 that is on your application board or on an ST7SBxx socket board, via a 10-pin ICC connector.

ICC cable – This furnished 10-pin cable connects to standard HE-10 type ICC connectors on the STICK programming board and your application board. This connection relays the required signals for in-circuit programming of the ST7 installed on your application board. It can also be used to connect to the ST7SBxx socket board.

ST7 Visual Programmer – Software programming interface that runs on the host PC connected to the ST7-STICK, allowing you to program the application to your ST7.

ST7 Visual Develop – Integrated Development Environment (IDE) that runs on the host PC connected to the ST7-STICK, allowing you to program the application to your ST7. This IDE also provides an environment for building and debugging your application software.

Programming Features

- Low cost
- ICC interface (HE10 connector)
- Parallel port interface for host PC
- In-Circuit Programming (ICP) support for all ST72Fxxx MCUs, except ST72F6xx (USB).
- STVP7 Free programming software user interface

For more information...

The following documents are available for free download from our internet site:

ST7 Visual Programmer online help - Information to help you program your application to your ST7 using this Windows-based programming software and an ST7-STICK programmer.

ST7 Visual Develop User Manual - Information about programming your ST7 from STVD7.

ST7 FLASH STICK User Manual - Information about setting up your application board and your ST7-STICK for in-circuit programming.

ST7xxxx Datasheet - Complete information about the features of your target ST7 microcontroller.

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