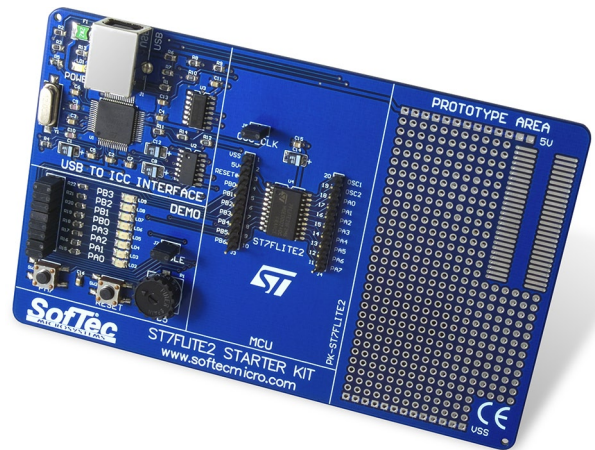# PK-ST7FLITE2

Starter Kit for STMicroelectronics ST7FLITE2

The PK-ST7FLITE2 Starter Kit is an entry level tool which allows you to get started with the STMicroelectronics ST7FLITE2 microcontroller.

The PK-ST7FLITE2 Starter Kit has been designed for the evaluation of the ST7FLITE2 microcontroller and the debugging of small user applications.

The PK-ST7FLITE2 Starter Kit takes advantage of the STMicroelectronics Visual Debug Integrated Development Environment (STVD7, which groups an Editor, Assembler and Debugger), and the ST7FLITE2 built-in debug features, which allow the download and debug of the user application into the microcontroller's FLASH memory.

The PK-ST7FLITE2 Starter Kit also includes the evaluation versions of the Metrowerks and Cosmic C compilers for ST7, which seamlessly integrate with STVD7.

Together with STVD7, PK-ST7FLITE2 provides you with everything you need to write, compile, download, in-circuit emulate and debug user code. Full-speed program execution allows you to perform hardware and software testing in real time. PK-ST7FLITE2 is connected to the host PC through a USB port. A prototyping area allows you to wire your own small application.

PK-ST7FLITE2 offers you the following benefits:

- Real-time code execution;
- In-circuit debugging;
- In-system programming and debugging through a ICC-compatible interface;
- Demo area with push-buttons, potentiometer and user LEDs;
- Prototyping area.

ST7FLITE2 Built-In Debug Features

The ST7FLITE2 microcontroller features an In-Circuit Communication (ICC) serial interface module which allows to communicate with a host device through two dedicated pins (ICCDATA and ICCCLK). By means of ICC commands, it is possible to program data into/read data from the microcontroller, retrieve CPU register contents, and run the user program.

Additionally, a dedicated peripheral (the Debug Module) is hard-wired in the device and allows advanced debugging features like single-step execution and advanced breakpoints.

All these features allow the implementation of low-cost, real-time emulation solutions, like the PK-ST7FLITE2 Starter Kit. As a bonus, the PK-ST7FLITE2 Starter Kit features a USB-to-ICC circuitry which allows the host PC to communicate to the microcontroller through a standard USB cable.

Starter Kit Package Contents

The PK-ST7FLITE2 package includes the following items:

- PK-ST7FLITE2 evaluation board;
- A USB cable;
- SofTec Microsystems PK-ST7FLITE2 "System Software" CD-ROM (containing the STVD7 IDE and demo versions of both Metrowerks and Cosmic C compilers);
- "QuickStart Tutorial" color poster;
- Printed user's manual.

Order Code

PK-ST7FLITE2, $99

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