



Kits and Tools

FlashLINK JTAG Programming Cable for PSD and uPSD

The family of Flash PSD and uPSD devices offer In-System Programming (ISP) allowing a completely blank device to be programmed while soldered to a circuit board. This simplifies manufacturing and provides an effective way to update products after they are in use. Flash PSD and uPSD devices comply to the core requirements of the IEEE 1149.1 JTAG specification. However, these devices do not support boundary scan functions. Instead, they support ISP, and some uPSD devices support emulation through JTAG.

497-2381-ND (FL-101)\$66.77

STM8/128 Evaluation Board



The STM8S2xx Evaluation Board STM8/128-EVAL is designed as a complete development platform for STMicroelectronics' STM8 core-based STM8S2xx microcontroller with CAN2.0A/B compliant interface, I²C, SPI, two UART channels with smartcard, IrDA and LIN support, internal 2 Kbyte data Flash and 128 Kbyte code Flash, SWIM debugging support. The full range of hardware features on the board is able to help you evaluate all peripherals (including motor control, CAN, MicroSD card, smartcard, UART, LIN, IrDA) and develop your own applications. Extension headers make it possible to easily connect a daughter board or wrapping board for your specific application.

Features: • Two 5V power supply options: Power jack or Daughter board • Audio play and record • 64 or 128 Mbyte MicroSD card • Both A and B type smartcard support • 64 Kbit I²C EEPROM • 2 channels of RS-232 communications • IrDA transceiver • 2 channels of LIN communication • CAN2.0A/B compliant connection • Inductor motor control connector • SWIM and STice debug support • 122x32 dot-matrix serial interface LCD module • Joystick with 4-direction control and selector • Reset, Wakeup, Tamper and User button • 4 LEDs • Extension connector for daughter board or wrapping board

497-8506-ND (STM8/128-EVAL)\$162.50

STM8L15x Low-Power Demo Board



Ultra-Low-power and low-cost board for STM8L15x to demonstrate all different low power modes and functionalities and provide a means to measure current sourced by the battery while paused in each of the modes.

Features: • 7 different modes to demonstrate STM8L15x Ultra Low Power • 1 LCD glass • Battery CR2032 + Socket • 1 header 2x1 and jumper for supply • 2 buttons on the board • 1 SWIM connector for STM8L board configuration • 1 JTAG connector for STM32L board configuration • 1 I/O access port connector 2x12

497-10594-ND (STM8L15LPBOARD)\$58.50

STM8S-DISCOVERY Evaluation Kit

The STM8S-DISCOVERY is a quick start evaluation board which helps you to discover the STM8 features, and to develop and share your own application. It is based on an STM8S105 and includes an embedded debugger, ST-LINK, and a touch sensing button. Numerous applications are available from the STM8S-DISCOVERY web page.

Features: • STM8S105C6T6 microcontroller, 32KB Flash, 2KB RAM, 1KB EEPROM • Powered by USB cable between PC and STM8S-DISCOVERY • Selectable power of 5V or 3.3V • Touch Sensing button, TS1 • User LED, LD1 • Extension header for all I/Os • Wrapping area for users own application • Embedded ST-LINK for STM8S • USB interface for programming and debugging • SWIM debug support

497-10040-ND (STM8S-DISCOVERY)\$9.60

NEW! STM8L-DISCOVERY Evaluation Kit



The STM8L-DISCOVERY helps you to discover the STM8L ultra low power features and to develop and share your applications. It is based on an STM8L152C6T6 and includes an ST-Link embedded debug tool interface, LCD (24 segments, 4 commons), LEDs and pushbuttons.

Features: • STM8L152C6T6 microcontroller, 32KB Flash, 2KB RAM, 1KB EEPROM in 48-pin LQFP • On-board ST-Link with selection mode switch to use the kit as a stand alone ST-Link (with SWIM connector for programming and debugging) • Two red LEDs; LD1 for USB communication, LD2 for 3.3V power on • Designed to be powered by USB or an external supply of 5V or 3.3V • Can supply target application with 5V and 3V • Two user LEDs, LD3 and LD4 (green and blue) • Two pushbuttons (User and Reset) • Iop current measurement • LCD 28-pin DIP (24 segments, 4 commons) • Extension header for all QFP48 I/Os for quick connection to prototyping board for easy probing

497-10660-ND (STM8L-DISCOVERY)\$11.85

STM8S Touch Sensing Evaluation Board

The STM8S Touch Sensing Evaluation Kit (STM8/128-EV/TS) provides a platform that introduces users to STMicroelectronics capacitive touch sensing firmware library. The kit contains a STM8S touch sensing (TS) evaluation daughter-board (STM8Sxxx-TS1) in addition to the STM8/128-EVAL board. The STM8S touch sensing evaluation daughterboard (STM8Sxxx-TS1) provides an evaluation platform for resistor-capacitor (RC) touch sensing technology for an implementation using 5 keys and one slider. The STM8S TS evaluation kit provides a software solution for transforming any 8-bit STM8 microcontroller (MCU) into a capacitive touchkey controller.

497-10031-ND (STM8/128-EV/TS)\$178.75

Evaluation Kit Motor Control STM8S

The ACIM motor software library is made of several C modules and is fitted with STVD workspace. It is used to quickly evaluate both the MCU and the available tools. When it is used with the STM8/128-MCKIT motor control starter kit and an AC induction motor, a motor can be made to run in a very short time. The ACIM library also eliminates the need for time-consuming development of low-level drive and speed regulation algorithms by providing ready-to-use functions that allow the user to concentrate on the application layer.

497-10032-ND (STM8/128-MCKIT)\$1198.75

STICE-SYS001 Emulator for STM8

The STice is the advanced in-circuit emulation system from STMicroelectronics. It offers a complete range of proven debugging features such as advanced breakpoints and trace recording. In addition, it provides new profiling and coverage capabilities to help detect and eliminate dead code and bottlenecks in application execution. The STice delivers improved cost-effectiveness by allowing users to order exactly what they need to meet their development requirements and to adapt their emulator system to support existing and future ST microcontrollers. In addition to emulation, the STice provides in-circuit debugging and programming capability for ST microcontrollers via the ST single wire interface module (SWIM). SWIM allows non-intrusive debugging of an application while it runs on the target microcontroller. The STice is supported by the free STM8 toolset, which includes the ST Visual Develop (STVD) integrated development environment for building, debugging and fine-tuning applications, the ST Visual Programmer (STVP) microcontroller programming interface and STM8 Assembler.

497-10029-ND (STICE-SYS001)\$1987.50

Raisonance's complete, low-cost Starter Kits for STM8 and ST7



The REva Starter Kits are Raisonance's complete, cost-effective solutions for starting application development and evaluating STM8x, ST7LITEx, ST7Fox, ST7232x, ST7234x, ST7236x and ST7263B microcontrollers. Kits contain all the hardware and software required to develop applications for microcontrollers, including the REva evaluation board, target STM8 and ST7 microcontrollers, embedded RLink for in-circuit debugging and in-circuit programming and the Raisonance integrated development environment (Ride7) with application builder.

497-10592-ND (STM8/128-D/RAIS)\$79.80
497-10593-ND (STM8/128-SK/RAIS)\$228.75

Hitex STM32 Performance Stick



The Hitex STM32-Performance Stick is a complete, low-cost evaluation and development package that provides a fast and easy introduction to the capabilities of STMicroelectronics' ARM®Cortex™-M3 core-based STM32 family of microcontrollers. It is specifically designed to help application designers explore STM32 features and performance characteristics (low power modes, clock controls, wake up states, etc.), but can also be connected to extension boards with hardware features for evaluation of device peripherals or development of an application.

497-6289-ND (STM3210B-PPSTICK)\$69.16

ST-LINK Debugger/Programmer



The ST-LINK is an in-circuit debugger and programmer for the STM8 and STM32 microcontroller families. The SWIM and JTAG/SWD interface is used to communicate with the STM8 or STM32 microcontroller located on your own application board. On the PC side, the USB full speed interface is used to communicate with: • ST Visual Develop (STVD) or ST Visual Program (STVP) software from STMicroelectronics for the STM8 • ATOLLIC, IAR and KEIL Integrated Development Environments for the STM32

497-10484-ND (ST-LINK)\$25.50

STM32-COMSTICK Development Kit



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 ARM966™ 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 application. The C source code for all sample applications is provided so that users can modify them, and then rebuild and debug the application.

497-9040-ND (STM32-COMSTICK)\$100.80

NEW! STM32L152-EVAL Evaluation Board



The ultralow power STM32L15xxx incorporates the connectivity power of the universal serial bus (USB) with the high-performance ARM®Cortex™-M3 32-bit RISC core operating at a 32MHz frequency, a memory protection unit (MPU), high-speed embedded memories, and an extensive range of enhanced I/Os and peripherals connected to two APB buses. All devices offer a 12-bit ADC, 2 DACs and 2 ultralow power comparators, six general purpose 16-bit timers and two basic timers, which can be used as time bases.

The evaluation board (STM32L152-EVAL) embeds the debug tools (ST-LINK) so it can be directly connected to the PC through and USB cable.

497-10842-ND (STM32L152-EVAL)\$288.55

STM3210B-MCKIT Motor Control Starter Kit



The STM3210B-MCKIT Starter Kit is an integrated system designed to provide a complete, ready-to-use motor control application developed around the STM32 microcontroller. This starter kit is particularly suited to drive 3-phase brushless motors (either AC induction or permanent magnet types) and demonstrates how effectively the STM32 microcontrollers can be used in real-world motor control applications.

497-8304-ND (STM3210B-MCKIT)\$1477.73

STM3210B-EVAL Evaluation Board



The STM3210B-EVAL is a complete development platform for the STM32F10x (128K) series of ARM®Cortex™-M3 core-based microcontrollers. It provides a cost effective, flexible and open design ideal for demonstrating the capabilities of the STM32F10x devices and rapidly evaluating device features and available peripherals. It includes an STM32F10x device with high performance ARM-Cortex-M3, full speed USB 2.0 interface, CAN 2.0A/B compliant interface, 2 channels I²C, 2 channels SPI, 3 channels USART with smart card support, internal 20Kbyte SRAM and 128Kbyte flash. The STM3210B-EVAL board includes a complete range of hardware features for evaluating microcontroller performance and starting development of a wide range of applications. Features include MicroSD card, serial flash, USB, CAN, I²C, RS232, IrDA, inductor motor control connector, TFT color LCD and more. The board features industry standard JTAG connector allowing developers to choose from a wide variety of development tools from third party tool suppliers.

497-6048-ND (STM3210B-EVAL)\$236.25

STM3210C-EVAL Evaluation Board



The STM32F107VCT Evaluation Board STM3210C-EVAL is designed as a complete development platform for STMicroelectronics' ARM®Cortex™-M3 core-based STM32F107VCT microcontroller with full speed USB-OTG, ethernet MAC, two channels of CAN2.0A/B compliant interface, 2 channels I²S, 2 channels I²C, 5 channels USART with smartcard support, 3 channels SPI, internal 64KB SRAM and 256KB Flash, JTAG and SWD debugging support. The full range of hardware features on the board help you evaluate all peripherals (USB-OTG FS, ethernet, motor control, CAN, micro SD card™, smartcard, USART, audio DAC, MEMS, EEPROM...etc.) and develop your own applications. Extension headers make it easy to connect a daughterboard or wrapping board for your specific application.

497-8924-ND (STM3210C-EVAL)\$298.75

STM3210C-SK/IAR Development Kit



The IAR™ KickStart™ kits are complete, cost-effective solutions for starting application development and evaluating STMicroelectronics' ARM® core-based microcontrollers. The KickStart kits come with all the hardware and software you need to start developing applications including the KickStart development board with target microcontroller, the IAR J-Link in-circuit debugger/programmer (USB/JTAG) and IAR Embedded Workbench™ for ARM (EWARM) integrated development environment with the KickStart edition of the IAR C/C++ compiler (output code up to and 32Kbytes), built-in Flash loader and sample projects for all device peripherals. IAR KickStart kits provide evaluation and development support for a full range of ST ARM core-based microcontrollers.

497-9041-ND (STM3210C-SK/IAR)\$286.25

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