CYPRESS
PERFORM

PSoC® Express Development Kit

CY3210-ExpressDK:
The PSoC Express development kit provides a feature-rich hardware platform for developing and testing designs created with PSoC Express. This kit contains a complete PSoC Express development environment including a large, full featured development board, fan modules, proto modules, 28-DIP samples, and a MiniProg Programmer.

Kit Includes: • Development Board • Four Fan Modules • Two Proto Modules • MiniProg Insystem Programmer • MiniEval PCB Evaluation Board • Power Supply • PSoC Express CD-ROM • Jumper Wire Kit • Cables • PSoC DIP Samples

428-1636-ND	PSoC Express Development Kit	$772.00
428-1637-ND	Fan Module Kit	$200.00
428-1638-ND	Proto Module Kit	$100.00

PSoC® Express II Evaluation Kit

CY3210-PSOCEXPEVAL1:
The PSoC Express Evaluation Kit is an all-in-one evaluation kit for experiencing first-hand the speed and depth of design offerings with PSoC Express, the code-free embedded development environment.

Kit Includes: • Two PSoC Evaluation boards • MiniProg USB Programmer • Cables • Software

428-1906-ND	Evaluation Kit for PSoC Express	$97.00
428-2025-ND	Evaluation Kit for PSoC Express II	$122.00

PSoC® with USB Evaluation Kit

Special features of the board include both USB and capacitive touch sense development and debugging support. The evaluation board also includes an LCD module, Potentiometer, LEDs, an enunciator, and plenty of bread boarding space to meet all of your evaluation needs.
The PSoCEvalUSB board features an on-chip debugger and can be connected directly to an ICE-Cube (available in the CY3215-DK) for full-featured, in-circuit emulation and debugging.

Kit Includes: • PSoCEvalUSB Board • LCD Module • MiniProg1 programmer • USB mini cable • Documentation and Software

428-1650-ND	Evaluation Kit for CY8C24794-24LFXI	$98.99

CY3202-C iMAGEcraft C-Compiler

The CY3202-C iMAGEcraft C-Compiler is fully integrated into the PSoC® Designer IDE. PSoC Designer supports C source level debugging. In order to activate the compiler, you must enable and upgrade.

Features: • ANSI C-Compiler • Supports In-line Assembly and can Interface with Assembly Modules • Stack-Based • 7 Basic Data Types • Assemble and Linker • Math and String Libraries • C-Interrupt Service Routines • Librarian

428-1413-ND	iMAGEcraft C-Compiler	$168.00

PSoC® ISSP (In-System Serial Programming) Programmer

The **ISSP Programmer** programs PSoC ICs with .hex files created with Cypress SemiConductor PSoC Designer™ software. The programmer programs a PSoC chip mounted on your PCB, one at a time. It connects to your PCB with a 5-wire cable and to your PC with a USB cable. Programming operation can be automated by incorporating the programmer into a PC-based test system. The tester software communicates with the programmer-control software through a command-line interface. The ISSP programmer can also be operated manually using the supplied Windows® GUI software.

Functions: • Program • Verify • Read • Flexible Connections to Target PSoC Devices: Devices can be inserted directly into ISSP, using an on-board 48-ZIF socket, connected via a test fixture or programmed in-system on a product circuit board.

System Requirements: • Windows®, NT, ME, 2000 or XP • CD-ROM • USB Port • 128 MB RAM

Kit Includes: • ISSP Programmer • ISSP Software CD-ROM • 6-Foot USB Cable • 2-Foot Programming Cable • 9V Power Supply • In-System Serial Programming (ISSP) CY3207ISSP User Guide

428-1495-ND	PSoC USB In-System Programmer	$354.00

PSoC® SD Card Module Evaluation Kit

CY3210-SDCARD:
The SD Card Module Evaluation Kit assesses the PSoC SD Card user module's ability to quickly and easily write to, read from and seamlessly integrate an SD card module into an embedded design. SD flash memory technologies are quickly becoming the preferred solution for portable, consumer and industrial electronic devices around the world for storing a large amount of information in a small, durable, portable form factor. Note: The SD Card user module and the example projects for this evaluation kit require the use of a C compiler.

Kit Includes: • CY3210-PSoCEVAL • SD Card Adapter Board • SD Memory Card • USB to SD Card Reader • MiniProg1 • USB Cable • Power Supply • Software

428-1907-ND	Evaluation Kit for PSoC SD Card	$260.00

PIR Motion Detection Evaluation Kit

The **CY3236A-PIRMOTION EVK** allows you to evaluate Cypress' PSoC® device's ability to control a Pyroelectric Infrared (PIR) sensor to implement motion sensing applications such as automatic lighting controls, automatic door openers, security systems, kiosk wake-up and activating wireless cameras. The CY3236A-PIRMOTION EVK includes all of the software, hardware, example projects and documentation you need to implement all of these PIR sensing control functions in one flexible and powerful PSoC device, the CY8C27443.

Kit Includes: • PIR Motion Sensor Board • Power Supply • Software • Design Files

428-2022-ND	PIR Motion Evaluation Kit	$129.00

CapSense™ Proximity Detection Demonstration Kit

CY3235-PROXDET:
The CapSense Proximity Detection Demonstration Kit allows quick and easy demonstration of a PSoC® CapSense-enabled device (CY8C21434) to accurately sense the proximity of a hand or finger along the length of a wire antenna. The kit also includes the I2C to USB Bridge, which allows hardware and software debugging of PSoC applications by seamlessly connecting your PC's USB port to your application's I2C interface.

Kit Includes: • Proximity Detection Demo Board with Antenna • I2C to USB Debugging/Communication Bridge • USB Cable • Software • Quick Start Guide

428-1909-ND	Evaluation Kit for PSoC Proximity Detection	$73.34

PSoC® CapSense™ Kits

CY3220-FPD:
This PSoC Demonstration Kit features a discrete button demonstration board for the Cypress CapSense solution. The board features eight CapSense buttons that control an LCD Module in a car radio configuration. The board is built using the CY8C21534-24PVXI PSoC, the only component necessary for sensing. The PSoC senses the presence of a finger or other capacitive element through 3mm ABS plastic.

Kit Includes: • Demonstration Board • User Guide • Documentation and Software CD • Power Supply

CY3212-CAPSENSE:
This PSoC Training Kit includes software, hardware and example projects to help designers learn how to implement PSoC CapSense in their own design. A training board is included that is hard wired for buttons and sliders as well as LCD display and I2C communication.

Kit Includes: • Training board • PSoC Designer and Example Project CD • CSR User Module • Mini Programmer unit • LCD Module • USB Cable

428-1652-ND	PSoC CapSense Demo Kit (CY3220-FPD)	$102.00
428-1705-ND	PSoC CapSense Training Kit (CY3212-CAPSENSE)	$117.00

CapSense™ Express Evaluation Kits

The CapSense Express evaluation kits enable designers to replace mechanical buttons by implementing touch sensing designs in minutes with the newest CapSense Touch Sensing Family, CapSense Express. With Cypress's PSoC Express™ visual embedded system design tool and CapSense Express configuration tool, designers configure, monitor, and tune up to 10 I/O's for buttons, LEDs and other general purpose I/O's over I2C in a real time using a graphical user interface.

CY3218-CAPEXP1 Kit Includes: • CapSense Evaluation Board with CY8C20110-LDX2I • CY3240-I2USB Bridge Board • USB Cable • Battery

CY3218-CAPEXP2 Kit Includes: • CapSense Slider Evaluation Board with CY8C201A0-LDX2I • CY3240-I2USB Bridge Board • USB Cable • Battery

CY3218-CAPEXP3 Kit Includes: • CapSense Evaluation Board with CY8C20142-SX2I • CY3240-I2USB Bridge Board • USB Cable • Battery

428-2043-ND	CapSense Evaluation Board Kit (CY3218-CAPEXP1)	$52.50
428-2044-ND	CapSense Slider Evaluation Board Kit (CY3218-CAPEXP2)	$52.50
428-2045-ND	CapSense Evaluation Board Kit (CY3218-CAPEXP3)	$52.50

Universal CapSense™ Controller Kit

CY3280-BK1:
Designed for easy development and debugging of any CapSense design. It includes pre-defined control circuitry and plug-in hardware, along with controller boards for both the CY8C20x34 and CY8C21x34 PSoC devices. It also offers a breadboard module and a module for implementing up to five buttons and a slider with sample overlays to encompass a wide variety of designs.

Kit Includes: • Universal Capsense Controller Boards • CapSense Linear Slider Module • CapSense Protyping Module • CY3240-I2USB Board • CY3210 MiniProg1 Programmer • Software

428-2033-ND	Universal CapSense Controller Kit	$177.00

PSoC® I2C to USB Bridge Kit

CY3240-I2USB:
The I2C to USB Bridge is a quick and easy link from any design or application's I2C bus to a PC via USB for design testing, debugging and communication. The bridge is based on 1 of Cypress' CY8C24894, which contains 6 analog blocks supporting ADCs, DACs and filters, 4 digital blocks supporting PWMs, timers and counters, and a Full-Speed USB 2.0 peripheral.

Kit Includes:
• I2C USB Bridge • I2C Slave Demonstration Board • USB Mini B Cable • Software CD

428-1910-ND	Evaluation Kit for PSoC I2C to USB	$78.01

PSoC® I2C Port Expander Evaluation Kits

The I2C Port Expander Evaluation Kit allows you to easily assess the following value propositions of Cypress' I2C port expander ICs from other vendors and flexibly integrates I/O expansion, PWM functions and user EEPROM. The kit also includes the I2C to USB Bridge, which allows hardware and software debugging of PSoC applications by seamlessly connecting your PC's USB port to your application's I2C interface.

CY3242-IOX Kit Includes:
• Port Expander Demo Board using containing CY8C9520/40/60 Port Expanders • I2C to USB Bridge • USB Cable • Documentation

CY3242-IOXLITE Kit Includes:
• I2C Port Expander Demo Board using CY8C9520 Port Expander • USB Cable • Documentation

428-1911-ND	CY3242-IOX Evaluation Kit	$645.00
428-2023-ND	CY3242-IOXLITE Evaluation Kit	$129.00

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