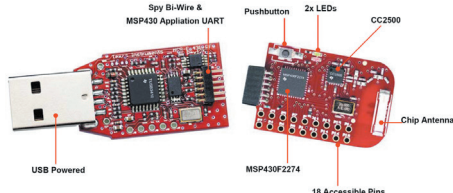


MCUS/MPUS, APPS PROCESSORS & DEVELOPMENT TOOLS

EZ430-RF2500 WIRELESS DEVELOPMENT TOOLS



Features

- CC2500 - 2.4 GHz, ISM band multi-channel low power transceiver
- 2 LEDs
- 1 pushbutton
- Supports development with some 2xx Spy Bi-Wire devices (refer to Table 1-1 in MSP430 Hardware)

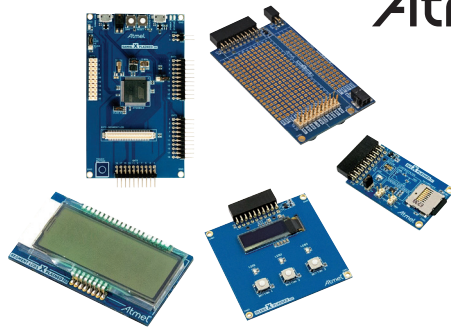
- Tools User's Guide for complete compatibility list
- Supports MSP430 Application UART allowing serial communication to PC
- Supports eZ430-T2012 and eZ430-RF2500T target boards
- Removable USB stick enclosure
- SimpliciTI, low power network stack

The EZ430-RF2500 is a complete wireless development tool for the MSP430 and CC2500 that includes all the hardware and software required to develop an entire wireless project with the MSP430 in a convenient USB stick. The tool includes a USB-powered emulator to program and debug your application in-system and two 2.4-GHz wireless target boards featuring the highly integrated MSP430F2274 ultra-low-power MCU. Projects may be developed and instantly deployed using the included battery expansion board and AAA batteries. All the required software is included such as a complete Integrated Development Environment and SimpliciTI, a propriety low-power star network stack, enabling robust wireless networks out of the box.

Mfg. Part No.	Stock No.	Price Each
EZ430-RF2500	55M5474	1+

PIM_102142

XPLAINED PRO MCU EVALUATION KITS



Xplained Pro kits provide everything needed to start designing new microcontroller (MCU) based applications in minutes. These boards are easy to connect using an embedded debugger through USB, easy to develop with automatic recognition in Atmel Studio 6 integrated development platform (IDP), easy to extend with hardware extension boards and a large set of software drivers and components. Xplained Pro kits are available as evaluation kits for evaluating MCUs and developing with example projects in the Atmel Studio IDP, starter kit bundle of MCU and extension boards for rapid application prototyping and development with Atmel Studio and Atmel Software Framework.

This kits are available with the following MCU's:

ATmega256RFR2 MCU: An IEEE 802.15.4 compliant single chip combines an industry-leading AVR microcontroller and best-in-class 2.4GHz RF transceiver. It offers the industry's highest RF performance for single chip devices, with a link budget of 103.5dBm while consuming 50% less current than the existing offerings.

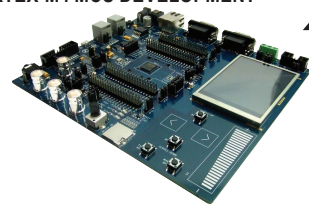
SAM4LC4 MCU: A member of the Microchip's SAM4L family of flash microcontrollers based on the ARM® Cortex®-M4 processor, the ATSAM4LC4C delivers the lowest power in active mode (90uA/MHz) as well as sleep mode (1.5uA) and the shortest wake-up time (down to 1.5us) in a Cortex-M4-based device.

SAM4SD32 MCU: A Flash Cortex-M4 processor-based MCU, ideal for industrial and consumer applications requiring high memory densities. Along with its unsurpassed 2MB of Flash, the SAM4SD32 provides high performance, low power and ease of use.

Mfg. Part No.	Description	Stock No.	Price Each
● ATMEGA256RFR2-XPRO	ATmega256RFR2 MCU Evaluation Kit	66W5519	---
● ATMEGA256RFR2-XSTK	ATmega256RFR2 MCU Starter Kit	66W5520	---
● ATSAM4S-XPRO	ATSAM4SD32C MCU Evaluation Kit	66W5525	---
● ATSAM4S-XSTK	ATSAM4SD32C MCU Starter Kit	66W5526	---

PIM_209464

SAM4E ARM COERTEX-M4 MCU DEVELOPMENT BOARD



Features:

- SAM4E16 chip BGA144 package with optional socket footprint
- NAND Flash
- 2.8 inch TFT color LCD display with touch panel and backlight

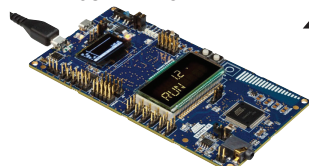
- Ethernet physical transceiver layer with RJ45 connector
- UART port with RS232 driver
- ZigBee connector
- QTouch buttons: Left, Right and Slider

ATSAM4E-EK is an evaluation kit for rapid development on the SAM4E microcontroller. It introduces system level concepts, such as power distribution, memory, and interface assignments. The SAM4E-EK board is based on the integration of an ARM Cortex-M4 processor with on board NAND Flash and a set of popular peripherals. Equipped with a 10/100 Mbps Fast Ethernet physical layer transceiver. It contains the entire physical layer functions of 100BASE-TX as defined by IEEE 802.3u. Board is designed to provide a high performance processor evaluation solution with high flexibility for various kinds of applications.

Mfg. Part No.	Stock No.	Price Each
● ATSAM4E-EK	69W7975	1+

PIM_212476

SAM4L ARM CORTEX-M4 MCU DEVELOPMENT BOARD



Features:

- ATSAM4LC4C Cortex-M4 device
- OLED color display
- QTouch slider and button

- Segment LCD (4x40)
- Wireless 10-pin interface
- Light sensor
- Audio jack connector

This kit lets designers quickly evaluate and develop code for applications running on Atmel SAM4L microcontrollers. The board features an embedded debugger, dedicated circuitry to measure the power consumption of your application, LCD, USB, capacitive touch functionality and much more. It also offers expansion headers to plug in Atmel extension boards so you can easily add gyrometers, accelerometers, Wifi and Zigbee to your SAM4L-EK.

Mfg. Part No.	Stock No.	Price Each
● ATSAM4L-EK	55W5854	1+

PIM_212477

FULL-FEATURED SAMA5D3 CORTEX A5 MCU EVALUATION PLATFORMS



Kit Contents

- 5" display module (not included with SAM-A5D35-EK)

- Power supply
- USB cable
- Crossed ethernet cable

The Atmel | SMART SAMA5D3 series is a high-performance, power-efficient embedded MPU based on the ARM Cortex-A5 processor, achieving 536 MHz with power consumption levels below 0.5 mW in low-power mode. The device features a floating point unit for high-precision computing and accelerated data processing, and a high data bandwidth architecture. It integrates advanced user interface and connectivity peripherals and security features.

The SAMA5D3 evaluation kits enable you to fully evaluate SAMA5D3 devices. The kits are pre-loaded with Linux and Qt. Except for the SAM5D35-EK, all boards feature a 5" WVGA display module.

Mfg. Part No.	Description	Stock No.	Price Each
● ATSAM5D31-EK	Evaluation Kit for ATSAM5D31 ARM Cortex-A5 Processor Based Embedded Microprocessor Unit	66W6047	---
● ATSAM5D33-EK	Evaluation Kit for SAMA5D33 microprocessor	66W6048	---
● ATSAM5D34-EK	Evaluation Kit for SAMA5D34 microprocessor	66W6049	---
● ATSAM5D35-EK	Evaluation Kit for SAMA5D35 microprocessor	66W6050	---

PIM_209465