

What's New in Embedded Processing?

Texas Instruments at embedded world 2017

ti.com/embeddedworld2017



Introducing the newest member of the TI SensorTag™ Family- the CC3200 Wi-Fi® SensorTag has arrived!

The SimpleLink™ Wi-Fi® CC3200 SensorTag development kit is one of the quickest and easiest ways to connect your sensors directly to the cloud! The new Wi-Fi SensorTag kit is based on the low-power SimpleLink Wi-Fi CC3200 wireless MCU, the industry's first Wi-Fi CERTIFIED™ single-chip microcontroller unit (MCU) with built-in Wi-Fi connectivity. This allows the SensorTag kit to be battery powered from AAA batteries.

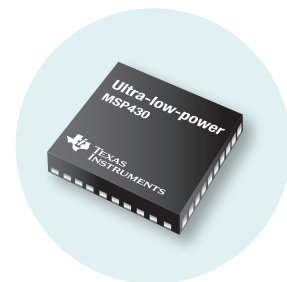
ti.com/CC3200SensorTag



MSP430FR5994 microcontrollers deliver 40x the performance of ARM® Cortex®-M0+

The low-energy accelerator (LEA) module on the MSP430FR5994 MCU efficiently processes data using vector-math signal processing functions such as FFT, FIR and matrix math multiplication up to 40x faster than ARM Cortex-M0+ MCUs running the CMSIS DSP library.

ti.com/LEA



Sitara™ AM572x Evaluation Module

The AM572x Evaluation Module provides an affordable platform to quickly start evaluation of Sitara™ ARM® Cortex®-A15 AM57x Processors and accelerate development for HMI, machine vision, networking, medical imaging and many other industrial applications.

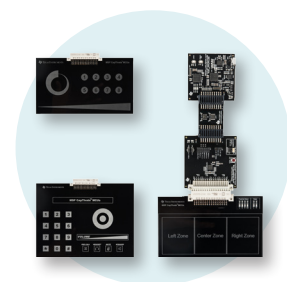
ti.com/AM572x



CapTIvate™ touch microcontrollers with CapTIvate™ technology

The CapTIvate technology inside MSP430™ MCUs delivers the most noise immune, IEC61000-4-x certified solutions for buttons, sliders, wheels and proximity sensors. The CapTIvate family supports self and mutual capacitance and up to 64 buttons with <math><5\mu\text{A}</math> average power consumption.

ti.com/CapTIvate



Embedded processor security whitepaper

Computer security once meant annoying viruses on PCs. Then, the stakes increased. Now, the security of embedded systems—or, more accurately, the insecurity of embedded systems—poses a threat to very critical data. Read on to find out more.

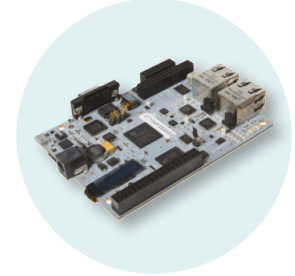
ti.com/epsecurity



Sitara™ AM3359 Industrial Communications Engine

The AM3359 Industrial Communications Engine (ICE) is a development platform targeted for systems that specifically focus on the industrial communications capabilities of the Sitara AM335x ARM® Cortex™-A8 Processors.

ti.com/tmdsice3359



InstaSPIN-MOTION (and InstaSPIN-FOC) enabled C2000 Piccolo LaunchPad™

The InstaSPIN™-MOTION (and InstaSPIN-FOC) enabled C2000™ Piccolo LaunchPad™ is an inexpensive evaluation platform designed to help you leap right into the world of motor control.

ti.com/F28069M



FRAM Value Line microcontrollers provide alternative to 8-bit MCUs

The new line of FRAM Value Line MCUs offers an upgrade to 8-bit MCU-based designs with 50x the RAM in a smaller footprint. FRAM Value Line MCUs also offer seamless migration from MSP430G2x devices to add greater memory flexibility.

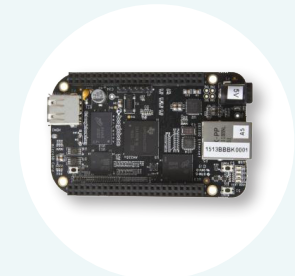
ti.com/FRAM_valueline



BeagleBone Black development board

BeagleBone Black is a low-cost, open source, community-supported development platform for ARM Cortex-A8 processor developers and hobbyists. Boot Linux in under 10-seconds and get started on Sitara AM335x ARM Cortex-A8 processor development in less than 5 minutes with just a single USB cable.

ti.com/beagleblk



The SensorTag Ecosystem-IoT made easy

The TI SensorTag kit allows quick and easy prototyping of IoT devices. It just works – connect your sensor solution to the cloud in minutes. Get started with *Bluetooth*® low energy, Sub-1 GHz and IEEE 802.15.4 based protocols (e.g. 6LoWPAN, ZigBee®, etc.) now.

ti.com/SensorTag



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