



William Cooper

New [microcontrollers](#), a new [LaunchPad](#) and a new [software library](#) - all unique in their own right for the industry! Our Compute Through Power Loss (CTPL) library is part of the new MSP-FRAM-UTILITIES and now enables MSP FRAM microcontrollers to intelligently save and restore system state on power failure.

Now automation and control applications can re-start exactly where they left off when power is unexpectedly lost. In addition, the new library enables you to use our lowest power modes x.5 on all MSP430 FRAM MCUs without the increased start-up time that typically must be considered. This means battery life can be extended further than ever before!



New FRAM Microcontrollers

The new CTPL embedded software library is enabled by the nearly unlimited write endurance and 100x faster writes than typical flash-based microcontrollers. What's more, our MSP430FRx FRAM microcontrollers offer advantages in terms of power consumption ([see ULPBench benchmark](#)), unmatched flexibility (unified program/data code) and increased data security. Now you have even more options to choose from. The [MSP430FR6972](#) microcontroller and derivatives are now available for purchase and offer integration that includes a 116-segment LCD controller, a 12-bit single/differential mode ADC with internal window comparator and a 256-bit hardware AES accelerator.

Discounted LaunchPad

We also have a LaunchPad development kit to support the expansion of the MSP430FR6x/5x series of FRAM MCUs. Featuring the [MSP430FR6989](#) MCU, our most integrated FRAM device, this LaunchPad offers a 40-pin BoosterPack plug-in module connector and an on-board LCD. You also have direct access to the extended scan interface.

Are you ready for the best part? The [MSP-EXP430FR6989](#) LaunchPad is available for **\$13.99 USD for the next month only!** This is more than 20 percent off the regular price. Head over to the LaunchPad page to get started today! If you need some motivation check out the latest industrial solutions from the TI Designs reference design library: [TIDM-FRAM-CTPL](#) and [TIDM-WLMOTORMONITOR](#) showcase our new Compute Through Power Loss technology and MSP430 FRAM microcontrollers in a low-power sensing application, respectively. [Link to "The MSP430FR6989 Launchpad Development Kit with Compute Through Power Loss Technology"](#)

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