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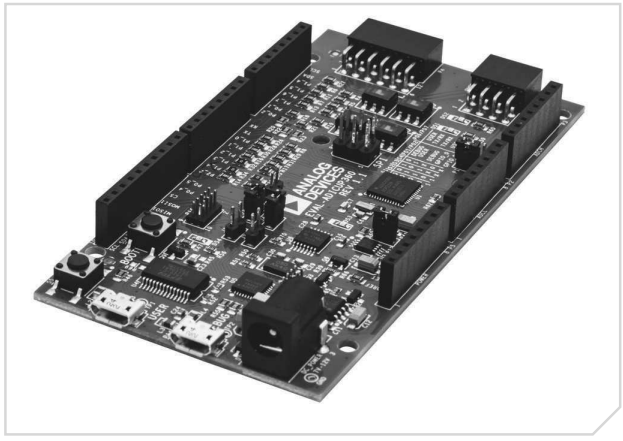
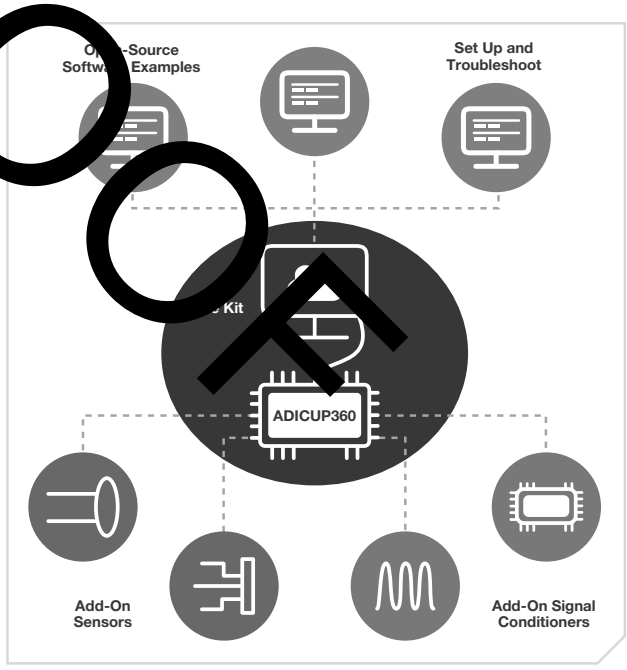
EVAL-ADICUP360 DEVELOPMENT PLATFORM

An Arduino and Pmod-compatible platform based on the ADuCM360 ARM Cortex-M3 Analog Microcontroller

The EVAL-ADICUP360 is an Arduino-like platform based on the ADuCM360 fully integrated, 3.9 kSPS, 24-bit data acquisition system that incorporates dual high performance, multichannel sigma-delta (Σ-Δ) analog-to-digital converters (ADCs), a 32-bit ARM Cortex™-M3 processor, and flash/EE memory on a single chip. The platform has an Arduino-Due-compatible form factor and has two additional Pmod™ connectors. It is accompanied by an Eclipse-based development environment.





A Brand New Ecosystem

Our new development platform features integrated and comprehensive tools, software, and hardware.

Open Source

Based on free, open-source software including Eclipse, GNU Toolchain (GCC/GDB), GNU ARM Eclipse Plugin, and others the ADuCM360 IDE offers designers an easy to use development tool with no code size limitations.

Prototyping

Use hardware modules and software examples together or create your own to develop your final system.

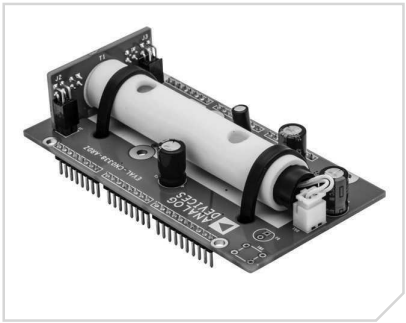
Integration

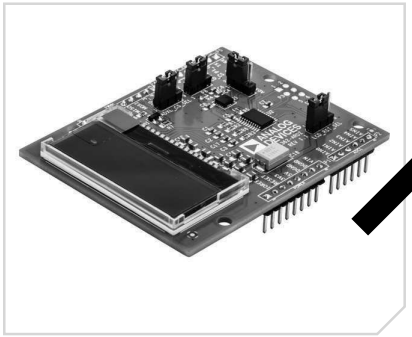
Explore the intersection of precision analog signal conditioning and embedded digital programming.

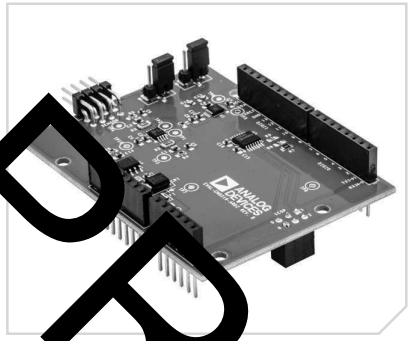
Visit *analog.com*

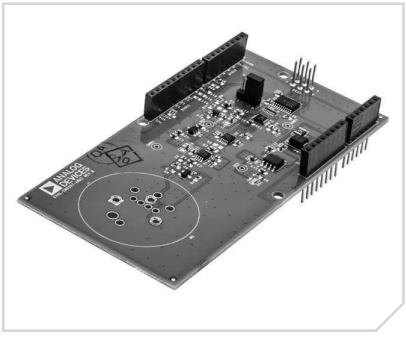
Arduino Shield and Pmod Add-Ons Currently Available

Form Factor	Part Number	Description
Arduino Shield	EVAL-CN0216-ARDZ	Precision Weigh Scale Design Using the AD7791 24-Bit Sigma-Delta ADC with External ADA4528-1 Zero-Drift Amplifiers
	EVAL-CN0357-ARDZ	Low Noise, Single-Supply, Toxic Gas Detector, Using an Electrochemical Sensor with Programmable Gain TIA for Rapid Prototyping
	EVAL-CN338-ARDZ	NDIR Thermopile-Based Gas Sensing Circuit
	EVAL-ADXL362-ARDZ	Ultralow Power Accelerometer with Display
Pmod	EVAL-CN0326-PMDZ	Isolated Low Power pH Monitor with Temperature Compensation
	EVAL-CN0336-PMDZ	12-Bit, 300 kSPS, Single-Supply, Fully Isolated, Data Acquisition System for 4 mA to 20 mA Inputs
	EVAL-CN337-PMDZ	12-Bit, 300 kSPS, Single-Supply, Fully Isolated RTD Temperature Measurement System with 3-Wire Compensation









For additional information, please reference the ADICUP360 Product Page at: *www.analog.com/eval-adicup360*.
More Arduino Shields and Pmod Boards Coming Soon!

EngineerZone Online Support Community

Engage with the Analog Devices technology experts in our online support community. Ask your tough design questions, browse FAQs, or join a conversation.

Visit *ez.analog.com*

EngineerZone™ SUPPORT COMMUNITY

Circuits from the Lab Reference Designs

Circuits from the Lab® reference designs are built and tested by ADI engineers with comprehensive documentation and factory-tested evaluation hardware.

Visit *www.analog.com/cftl*

Circuits from the Lab® Reference Designs

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