Modular Approach to Designing and Prototyping Solutions

**ADI / 3rd Party Vendors**

**Use many sensors from vendor partners:**
- Honeywell, Omron, Alphasense, Hamamatsu

**ADI**

**Conditioning/Conversion**

Many different PMOD/Arduino Compatible form factor signal conditioning boards from ADI

**ADI / Partners**

**FPGA/Processor**

Use customers processor/FPGA to connect to:
- ADI, Xilinx, Arduino, Microchip, Renasas, ST

**ADI**

**Software**

Provide C code, Linux drivers, No-OS drivers, HDL code, and other software that a customer can use in their own design

**ADI / Partners**

**Connectivity**

Have different connectivity options for wireless and wired communication. Provide software and cloud connectivity using ADI and our Partners

**PMODs/Shields/Modules**

**WiFi**

**BluTooth**

**Other**

**Zigbee**

**Other**
Aspects of the EVAL-ADICUP360 Ecosystem
EVAL-ADICUP360 Packaging

Overview

ADICUP360 Packaging

Top

Bottom

Insert
ADuCM360 Arduino Compatible Platform – 2nd Hardware

USB programming and debug, along with UART to USB serial communication

- Analog (24-bit)
- SPI
- I2C
- UART
- Flash
- DMA

FCC and CE certified

ADuCM360 Microcontroller, with dual 24-bit sigma delta ADCs and ARM Cortex M3

Arduino R3 compatible form factor

PMOD compatible ports, SPI and I2C
ADuCM360 Arduino Eclipse IDE

Customized IDE
- Eclipse based (open source)
- ADI plug-ins
- ADuCM360 specific

Open source tool chain
- Open source GCC/GDB
- GNU ARM Tools
- OpenOCD
- CMSIS-DAP

ADI Content
- C Code examples
- Hardware examples
- Low level device drivers
Arduino Shield Boards for ADuCM360 Launch

- CN0216 Weigh Scale shield
- ADXL362 Accelerometer shield
- CN0357 Toxic Gas Sensing shield
- CN0338 NDIR Gas Sensing shield
# ADI PMOD Compatible Boards

<table>
<thead>
<tr>
<th>Reference Designs</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>CN0179</td>
<td>4-20mA output</td>
</tr>
<tr>
<td>CN0336</td>
<td>4-20mA input</td>
</tr>
<tr>
<td>CN0335</td>
<td>0-10V input</td>
</tr>
<tr>
<td>CN0216</td>
<td>Weight Scale</td>
</tr>
<tr>
<td>CN0355</td>
<td>Differential Pres.</td>
</tr>
<tr>
<td>CN0337</td>
<td>RTD measurement</td>
</tr>
<tr>
<td>CN0354</td>
<td>Thermocouple</td>
</tr>
<tr>
<td>CN0326</td>
<td>pH Measurement</td>
</tr>
<tr>
<td>CN0332</td>
<td>MR Speed</td>
</tr>
<tr>
<td>CN0346</td>
<td>Humidity sensor</td>
</tr>
<tr>
<td>CN0349</td>
<td>Conductivity</td>
</tr>
<tr>
<td>CN0350</td>
<td>Piezoelectric Vib.</td>
</tr>
<tr>
<td>CN0357</td>
<td>Gas Detection</td>
</tr>
<tr>
<td>CN0370</td>
<td>LED Control</td>
</tr>
</tbody>
</table>

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</tr>
</thead>
<tbody>
<tr>
<td>CN0363</td>
<td>Colorimeter</td>
</tr>
<tr>
<td>CN0365</td>
<td>High Temp DAQ</td>
</tr>
<tr>
<td>CN0372</td>
<td>Energy Harvest DAQ</td>
</tr>
<tr>
<td>10 Ld. PulSAR</td>
<td>16-, 18- ADC w/Driver</td>
</tr>
<tr>
<td>ADF7242</td>
<td>RF Transceiver</td>
</tr>
</tbody>
</table>

[http://wiki.analog.com/resources/alliances/xilinx#pmod_compatible_boards](http://wiki.analog.com/resources/alliances/xilinx#pmod_compatible_boards)