



Release Notes for Sensor Software 1.1.0

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1 Introduction

ADI Sensor Software 1.1.0 package contains sensor class drivers for various sensors such as ADXL362 Accelerometer, ADT7420 Temperature sensor, CN0397 Visible Light sensor and CN0357 Toxic Gas sensor. Sensor based example applications are distributed in their respective Board Support Packages. The applications use hardware platforms such as ADICUP3029 or EV-COG-AD3029LZ along with associated sensor shields.

These sensor applications use the drivers from Sensor Software paired with BLE or Wi-Fi Software for connectivity. The IoTNode Android application, located in the ADI-BLE Software pack, can be used as a Host application. Sensor example applications can use Bluetooth to send sensor data to the Android application or they can print sensor readings to the terminal. Additionally, sensor applications can use Wi-Fi to send sensor data to a MQTT broker.

2 Required Software

2.1 CrossCore Embedded Studio

To use this Sensor Software with CrossCore Embedded Studio (CCES), you must first obtain and install:

- CrossCore Embedded Studio 2.6.0
- ADuCM302x Device Family Pack 2.0.0

3 Release Testing

3.1 CrossCore Embedded Studio

The Sensor Software has been tested with below hardware platform, sensor shields.

Board	Emulator
EVAL-ADICUP3029	CMSIS-DAP
EV-COG-AD3029LZ	CMSIS-DAP

Sensor Shield	Description
PmodACL2	ADXL362 Accelerometer
EVAL-ADT7420-PWDZ	ADT7420 Temperature Sensor
EVAL-CN0357-ARDZ	Toxic Gas Sensor
EVAL-CN0397-ARDZ	Visible Light Sensor

4 License Checking

Use of the Sensor software is subject to the Software License Agreement presented during installation.

5 Release Content

This release contains the following software components:

- Sensor class software sources and headers.
- Documentation.

5.1 Location

The Sensor Software package will be installed into the below directory under targeted development environment:

CCES	<cces_root>\ARM\PACK\AnalogDevices\ADI-SensorSoftware\1.1.0
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5.2 Directory Information under Sensor Software pack directory

Directory	Description
Source/sensor	Sensor class software source files
Include/sensor	Sensor class software include files
Documents/	Sensor class software documentation
License/	License agreement

5.3 Contacting Technical Support

You can reach Analog Devices software and tools technical support in the following ways:

- Post your questions in the [software and development tools support community](#) at [EngineerZone®](#).
- E-mail your questions about processors and processor applications to [processor.support@analog.com](mailto:support@analog.com).
- For Greater China, Processors and DSP applications and processor questions can be sent to: processor.china@analog.com.

- Submit your questions to technical support directly via <http://www.analog.com/support>.
- Contact your [Analog Devices sales office](#) or authorized distributor.

6 New Functionality

- Sensor Strobe support added. EV-COG-AD3029LZ Board support package includes example showcasing the Sensor Strobe functionality.
- FIFO support for ADXL362 sensor driver.
- Board specific static configuration support for sensor drivers.
- Example projects targeting ADICUP3029 are moved from this product to the ADICUP3029 Board Support Package.

7 Known Issues

For the latest anomalies please consult our [Software and Tools Anomalies Search](#) page.