



# **Release Notes for ADICUP3029 Board Support Package 1.1.0**

# Contents

1	Introduction	3
2	Required Software	4
2.1	CrossCore Embedded Studio	4
3	Release Testing	5
3.1	CrossCore Embedded Studio	5
4	License Checking	6
5	Release Content	7
5.1	Location	7
5.2	Directory Information	7
5.3	Running Examples on ADICUP3029 Board	8
5.4	Contacting Technical Support	8
6	New Functionality	10
7	Known Issues	11

# 1 Introduction

EVAL-ADICUP3029 1.1.0 Board Support Package (BSP) contains software examples using EVAL-ADICUP3029 hardware. This BSP contains various on-chip peripheral examples, Bluetooth Low Energy examples, Wi-Fi examples, and various sensor examples. This BSP is supported in CrossCore Embedded Studio 2.6.0.

## 2 Required Software

### 2.1 CrossCore Embedded Studio

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

- CrossCore Embedded Studio 2.6.0
- ADuCM302x Device Family Pack 2.0.0
- ADI-SensorSoftware 1.1.0
- ADI-BleSoftware 1.0.0
- ADI-WiFi Software 1.0.0

## 3 Release Testing

### 3.1 CrossCore Embedded Studio

The BSP has been tested with

Board	Emulator
EVAL-ADICUP3029	CMSIS-DAP

## 4 License Checking

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

## 5 Release Content

This release contains the following examples

- On-chip peripheral examples present on the EVAL-ADICUP3029 board.
- Bluetooth Low-Energy examples based on Findme Target, Proximity Reporter and Data Exchange profiles. These examples are authored by Analog Devices and demonstrate the use of Bluetooth Low-Energy.
- Sensor Software examples using Accelerometer (ADXL362), Temperature (ADT7420), Carbon Monoxide (CN0357), and Visual Light (CN0397) sensors.
- MQTT example using ADXL362. This example is based on Eclipse Paho MQTT example which is distributed under the EDL license.

### 5.1 Location

The EVAL-ADICUP3029 BSP will be installed into the CMSIS pack directory for the targeted development environment:

<b>CCES</b>	<code>&lt;cces_root&gt;\ARM\PACK\AnalogDevices\EVAL-ADICUP3029_BSP\1.1.0</code>
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### 5.2 Directory Information

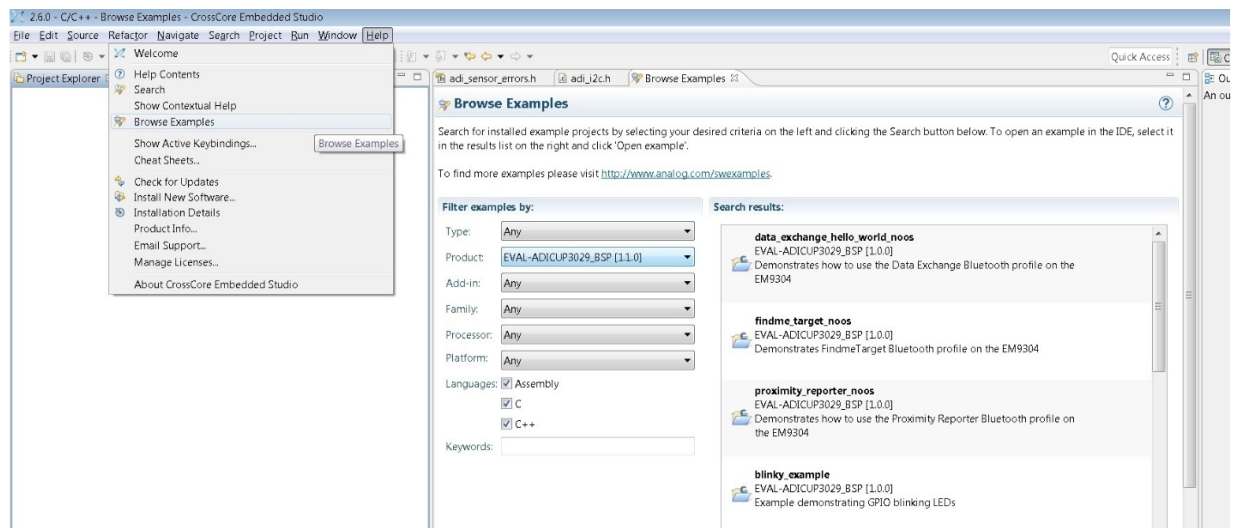
Directory	Description
Boards/EVAL-ADICUP3029/Examples/communication/ble	Bluetooth Examples
Boards/EVAL-ADICUP3029/Examples/communication/wifi	Wi-Fi Examples
Boards/EVAL-ADICUP3029/Examples/drivers	On-chip peripheral Examples
Boards/EVAL-ADICUP3029/Examples/sensor	Sensor Examples
Documents/	Documentation

Directory	Description
Tools/ble/programmer	Bluetooth Low-Energy OTP Tool (binary and source)
License	License agreement

## 5.3 Running Examples on ADICUP3029 Board

Examples from the ADICUP3029 Board Support Package 1.1.0 can be run by following below steps

- Click on Help Browse Examples
- Select Product EVAL-ADICUP3029\_BSP [1.1.0]
- Double click on any example
- Build and run the example



- **Findme\_target\_noos** example project loaded into CCES 2.6.0

## 5.4 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:processor.support@analog.com).
- For Greater China, Processors and DSP applications and processor questions can be sent to: [processor.china@analog.com](mailto: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

- New Wi-Fi example.
- Bluetooth Low-Energy source files and components are moved out of these package and into a standalone package (ADI-BleSoftware).
- Printing macros modified in examples. UART redirection done with "Examples Support" component of ADuCM302x DFP.
- MAC address modification support added Bluetooth Low-Energy OTP Tool.

## 7 Known Issues

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

- Examples may not load correctly using CCEs File Import (ADIUP3029-74)  
-Workaround: Instead of using import use Help Browse Examples to open an example project.