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EVAL-CN0216-ARDZ



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My Analog

EVAL-CN0216-ARDZ

Arduino Compatible High Gain Weigh Scale Design (CN0216)

Overview

Documentation

Software

Related Hardware

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User Guides

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Evaluation Software

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Design & Integration Files

Features

- Form Factor Compatible with Arduino
- Usable for 4- or 6- wire sensors
- High gain of 400, for wide bridge sensor ranges
- Low power, single supply operation

Applicable Parts

- [AD7791](#)
- [ADA4528-1](#)
- [ADP3301](#)

Package Contents

- EVAL-CN0216-ARDZ Board
- Design Support CD

Product Details

CN-0216 is a precision weigh scale signal conditioning system. It uses the AD7791, a low power buffered 24-bit sigma-delta ADC along with dual external ADA4528-1 zero-drift amplifiers. This solution allows for high dc gain with a single supply.

This circuit allows great flexibility in designing a custom low-level signal conditioning front end that gives the user the ability to easily optimize the overall transfer function of the combined sensor-amplifier-converter circuit.



3 See All

1 User Guides

1 Circuit Notes

1 Videos

CN0216 Shield Evaluation Board User Guide

WIKI

CN-0216: Precision Weigh Scale Design Using the AD7791 24-Bit Sigma-Delta ADC with External ADA4528-1 Zero-Drift Amplifiers

PDF

596 kB

Getting Started with the CN0216 Arduino Shield

Learn about the CN0216 Arduino shield, and how to use it within a system. Setup a real world application example using...

Software



3 See All

1 Device Drivers

2 Evaluation Software

3rd Party Ecosystem Products

STMicroelectronics Nucleo-F411RE

ARM® mbed Driver

CN0216 C Project using ADICUP360

WIKI

Example Projects using CN0216

Related Hardware



Development Platform

EVAL-ADICUP360

Arduino form factor compatible ARM Cortex-M3
Development Platform

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Evaluation Boards

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Model	Description	Price	RoHS

Model	Description	Price	RoHS
EVAL-CN0216-ARDZ	Evaluation Board		Yes
Production			

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