### ADS9110 ADC EVM Board



More information about Precision Analog SAR ADCs can be found at http://www.ti.com/precisionadc

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# Quick Start Guide: ADS9110EVM-PDK



# TEXAS INSTRUMENTS

before the USB cable is plugged into the PC.

The software may be downloaded from http://www.ti.com/tool/ads9110EVM-PDK

The ADS9110 Performance Demonstration Kit (PDK) is ideal for evaluating and starting development with the ADS9110 precision analog to digital converter. This kit is comprised of a ADC evaluation board (EVM), a precision host interface board (PHI), a micro USB cable and board attachment screws. The EVM features two SMA connectors that support fully differential analog input signals for the ADC. The ADS9110 transfers data to the PHY board via the SPI digital interface. An easy to use PC based application (GUI) is available to help evaluate the performance of the ADC on the ADS9110 EVM.

#### ADS9110EVM-PDK Features:

- 24pin QFN ADS9110 18-bit, 2 MSPS ADC
- OPA625 low distortion ADC drivers
- 4.5V REF5045 reference
- OPA625+OPA378 composite zero-offset reference buffer

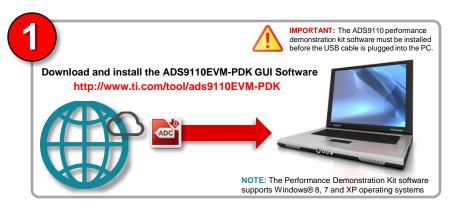
- TPS7A4700 low noise LDO

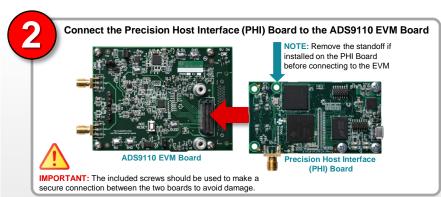
- Fully differential SMA input connectors - Micro USB PC interface

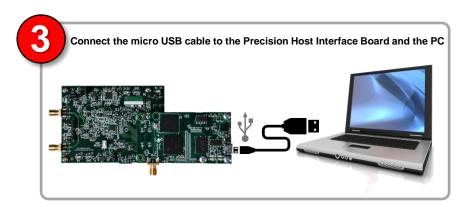


# **Quick Start Guide: ADS9110 SAR ADC**

### **Performance Demonstration Kit**







## Launch the ADS9110EVM-PDK GUI software on the PC from the 'Start' menu

A differential input signal can be connected to the EVM's SMA connectors and conversion results can be viewed using the GUI software.



The GUI software also include data analysis tools to evaluate the ADC's DC and AC parameters.



Technical support for Precision ADCs can be found at http://www.ti.com/precisionadcsupport

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