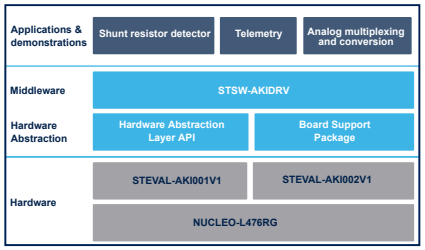
STSW-AKIDRV

Data brief

SPI example for the ADC120/ADC1283, 12-bit, eight channel ADCs



Product summary	
SPI example for the ADC120/ADC1283, 12-bit, eight channel ADCs	STSW-AKIDRV
8-Channel, 50ksps to 1Msps, 12-Bit A/D Converter	ADC120
8-Channel, 50ksps to 200ksps, 12-Bit A/D Converter	ADC1283
Evaluation board for the ADC120 8-channel, 50ksps to 1Msps, 12-bit analog to digital converter	STEVAL-AKI001V1
Evaluation board for the ADC1283 8-channel, 50 to 200 ksps, 12-bit analog to digital converter	STEVAL-AKI002V1
STM32 Nucleo-64 development board with STM32L476RG MCU, supports Arduino and ST morpho connectivity	NUCLEO-L476RG
Applications	Factory Automation

Features

- Example to communicate with the devices and read the data from them
- Simple digital connection with SPI
- Chip select management explanations

Description

The STSW-AKIDRV helps the user to handle the ADC120/ADC1283 and their evaluation boards (STEVAL-AKI001V1 and STEVAL-AKI002V1).

It comes with a function to communicate with the ADC120/ADC1283 and read data acquired by the device.

The example is given for the NUCLEO-L476RG but it is easily adaptable to other STM32.

Revision history

Table 1. **Document revision history**

Date	Revision	Changes
23-May-2024	1	Initial release.
01-Aug-2024	2	Minor text changes.

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