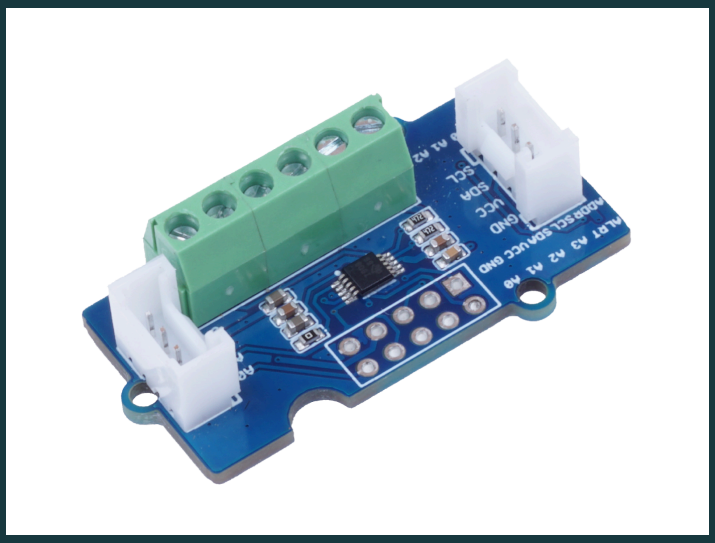
seeed studio

INDUSTRIAL PRODUCT DATASHEET

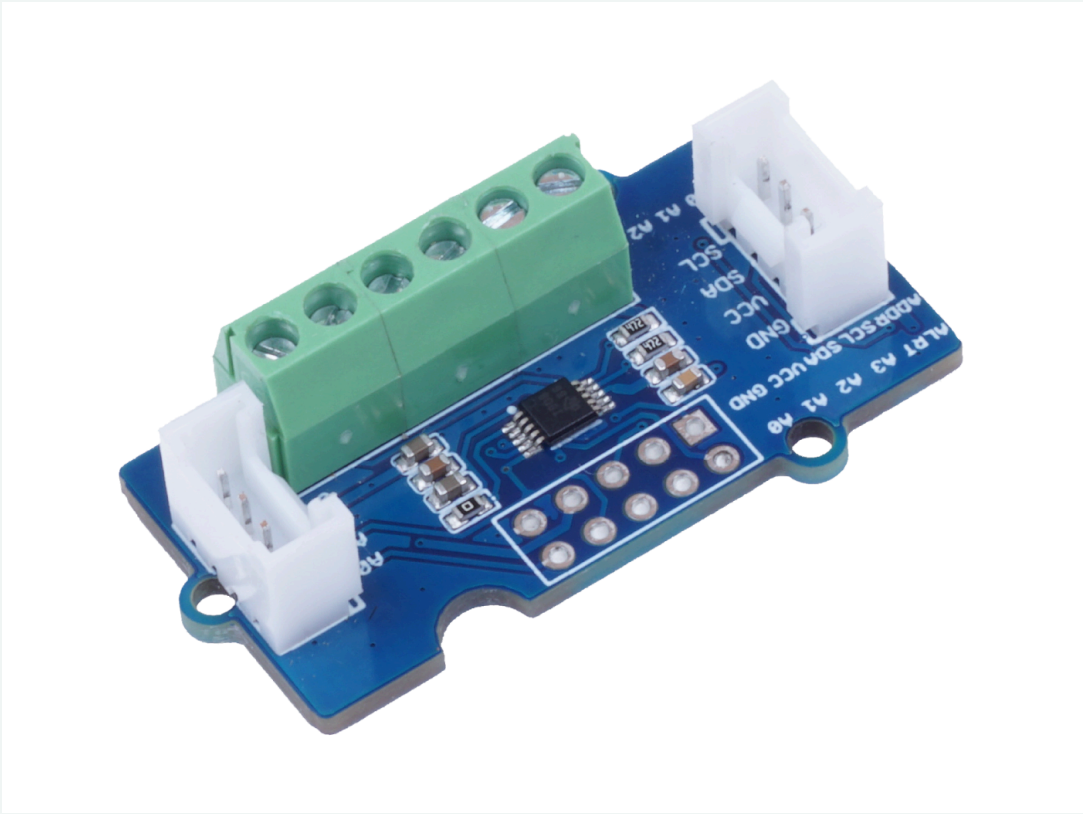
Grove - 4 Channel 16-bit ADC (ADS1115) w/ Programmable Amplifier Gain

Grove - 4 Channel 16-bit ADC (ADS1115) w/ Programmable Amplifier Gain: 16-bit high-resolution ADC with programmable gain amplifier, data rate from 8 SPS to 860 SPS, and 4 single-ended or 2 differential inputs for high precision...

SKU	UPDATED	PRICE
109020041	2026-11-03 03:30:08	$12.00(Excl. VAT)



Overview



The Grove - 4 Channel 16-bit ADC (ADS1115) w/ Programmable Amplifier Gain is a 16-bit high-resolution ADC with programmable data rate from 8 SPS to 860 SPS, internal programmable gain up to x16, and support for 4 single-ended or 2 differential inputs across a 2.0V to 5.5V supply range. It is designed for analog-to-digital conversion, portable instrumentation, battery monitoring, high precision measurement, factory automation and process controls.

Key Features

01 **Wide supply range**

2.0V ~ 5.5V, support 3.3/5V system

02 **16-bit high-resolution ADC**

03 **Programmable Data Rate**

8 SPS to 860 SPS

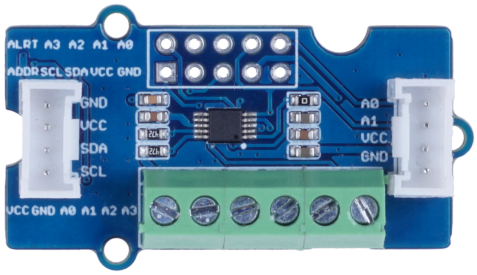
04 **Internal Programmable Gain**

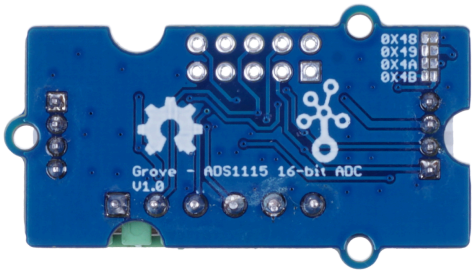
x16 with Internal low-drift voltage reference and oscillator

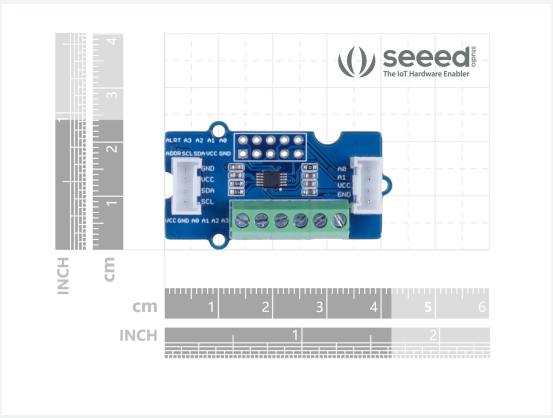
05 **The built-in PGA is gain-adjustable and can be controlled by software**

06 **4 Single-Ended Inputs or 2 Differential Inputs**

Product Gallery







Applications

- Analog-to-Digital converter
- Portable instrumentation
- Battery monitoring
- High precision measurement
- Factory automation and process controls

Resource Links

- https://www.seeedstudio.com/Grove-ADS1115-16-bit-ADC-p-4599.html
- Grove - 16 Bit ADC(ADS1115 Schematics Files)
- Texas Instruments ADS1115 Datasheet

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