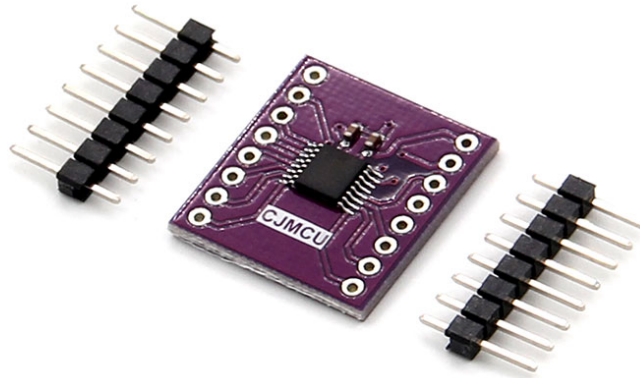




# ARDUINO ADC BOARD 24BIT

## MODEL: CJMCU-7793 AD7793BRU



### Features:

- Up to 23 bits effective resolution
- RMS noise: 40 nV @ 4.17 Hz; 85 nV @ 16.7 Hz
- Current: 400  $\mu$ A typical
- Power supply: 2.7 V to 5.25 V
- Power-down: 1  $\mu$ A maximum
- Low noise programmable gain instrumentation amp
- Band gap reference with 4 ppm/ $^{\circ}$ C drift typical
- Update rate: 4.17 Hz to 470 Hz
- 3 differential inputs
- Internal clock oscillator
- Simultaneous 50 Hz/60 Hz rejection
- Programmable current sources
- On-chip bias voltage generator
- Burnout currents
- Temperature range: -40 $^{\circ}$ C to +105 $^{\circ}$ C
- Independent interface power supply
- 16-lead TSSOP package
- Interface: 3-wire serial
- Compatible with SPI $^{\circ}$ , QSPI $^{\text{TM}}$ , MICROWIRE $^{\text{TM}}$ , and DSP
- Schmitt trigger on SCLK

### Application:

- |                             |                              |                             |
|-----------------------------|------------------------------|-----------------------------|
| - Thermocouple measurements | - Industrial process control | - Smart transmitters        |
| - RTD measurements          | - Instrumentation            | - Liquid/gas chromatography |
| - Thermistor measurements   | - Portable instrumentation   | - 6-digit DVM               |
| - Gas analysis              | - Blood analysis             |                             |

*Made in China*