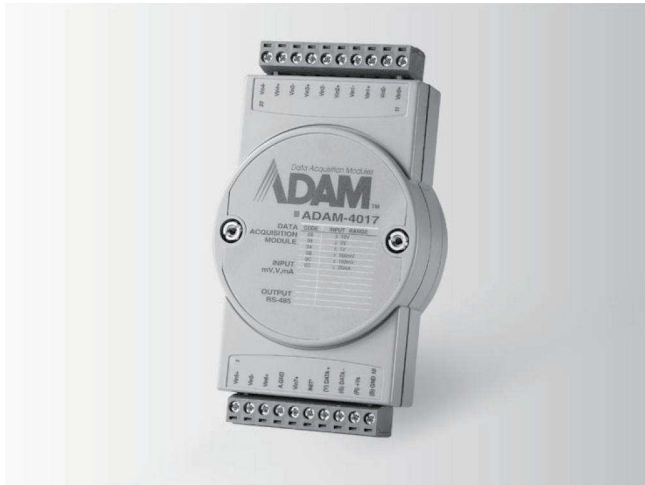# ADAM-4017

## 8-ch Analog Input Module

## Features

- 8-ch Analog Input (voltage or current)
- Protocols:ASCII
- Watchdog timer to recover the system

C€ FCC RoHS COMPLIANT 2002/95/EC

## Specifications

### General

- **Power Consumption**   1.2 W @ 24 $V_{DC}$
- **Watchdog Timer**   System (1.6 second)
- **Supported Protocols**   ASCII command
- **Power Input**   Unregulated 10 ~ 30 $V_{DC}$
- **Connectors**   2 x plug-in terminal block (#14 ~ 22 AWG)

### Analog Input

- **Channels**   8 differential
- **Input Type**   mV, V, mA
- **Input Range**   ±150 mV, ±500 mV, ±1 V, ±5 V, ±10 V, ±20 mA

### Analog Input

- **Accuracy**   Voltage mode: ±0.1% or better
  Current mode: ±0.2% or better
- **Resolution**   16-bit
- **Sampling Rate**   10 sample/second (total)
- **Isolation Voltage**   3,000 $V_{DC}$
- **CMR @ 50/60 Hz**   120 dB
- **NMR @ 50/60 Hz**   100 dB
- **Span Drift**   ±25 ppm/°C
- **Zero Drift**   ±6 μV/°C

### Environment

- **Humidity**   5 ~ 95% RH
- **Operating Temp.**   -10 ~ 70°C (14 ~ 158°F)
- **Storage Temp.**   -25 ~ 85°C (-13 ~ 185°F)

## Ordering Information

- **ADAM-4017-E**   8-ch Analog Input Module

Last updated: 26-Oct-2021