

# ADAM-4017+

## 8-ch Analog Input Module



### General

- **Certification:** CE, FCC
- **Connectors:** 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Input:** Unregulated 10 ~ 30 VDC
- **Power Consumption:** 1.2 W @ 24 VDC
- **Watchdog Timer:** System (1.6 s) & Communication
- **Supported Protocols:** ASCII command and Modbus/RTU

### Environment

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

### Analog Input

- **Channels:** 8 differential
- **Channel Independent Configuration:** Yes
- **Input Impedance:**
  - Voltage:** 20 M $\Omega$
  - Current:** 120  $\Omega$
- **Input Type:** mV, V, mA
- **Input Range:**
  - $\pm 150$  mV,  $\pm 500$  mV,
  - $\pm 1$  V,  $\pm 5$  V,  $\pm 10$  V,
  - $\pm 20$  mA, 4 ~ 20mA
- **Accuracy:**
  - Voltage mode:**  $\pm 0.1\%$  or better
  - Current mode:**  $\pm 0.2\%$  or better
- **Resolution:** 16-bit
- **Sampling Rate:** 10 sample/second (total)
- **Isolation Voltage:** 3,000 VDC
- **Overvoltage Protection:**  $\pm 35$  VDC
- **CMR @ 50/60 Hz:** 120 dB
- **NMR @ 50/60 Hz:** 100 dB
- **Span Drift:**  $\pm 25$  ppm/ $^{\circ}$ C (Typical)
- **Zero Drift:**  $\pm 6$   $\mu$ V/ $^{\circ}$ C
- **Built-in TVS/ESD Protection**