

# ADAM-4016

# ADAM-4017

1-ch Analog Input/Output Module

8-ch Analog Input Module



ADAM-4016



## Specifications

### General

- Connectors 2 x plug-in terminal blocks (#14 ~ 22 AWG)
- Power Consumption 2.2 W @ 24 V<sub>DC</sub>
- Watchdog Timer System (1.6 s)
- Supported Protocols ASCII command

### Analog Input

- Channels 1 differential
- Input Impedance Voltage: 2 M $\Omega$   
Current: 125  $\Omega$  (Added by users)
- Input Type mV, mA
- Input Range  $\pm 15$  mV,  $\pm 50$  mV,  $\pm 100$  mV,  $\pm 500$  mV,  $\pm 20$  mA

### Analog Output

- Channels 1
- Accuracy 0.05% of FSR
- Output Type V
- Output Range 0 ~ 10 V
- Drift  $\pm 50$  ppm/ $^{\circ}$ C
- Drive Current 30 mA
- Isolation Voltage 3,000 V<sub>DC</sub>

### Digital Output

- Channels 4, open collector to 30 V, 30 mA max. load
- Power Dissipation 300 mW

## Common Specifications

### General

- Power Input Unregulated 10 ~ 30 V<sub>DC</sub>
- Connectors 2 x plug-in terminal block (#14 ~ 22 AWG)

### Analog Input

- 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 V<sub>DC</sub>
- CMR @ 50/60 Hz 120 dB
- NMR @ 50/60 Hz 100 dB
- Span Drift  $\pm 25$  ppm/ $^{\circ}$ C
- Zero Drift  $\pm 6$   $\mu$ V/ $^{\circ}$ C

### Environment

- Humidity 5 ~ 95% RH
- Operating Temp. -10 ~ 70 $^{\circ}$ C (14 ~ 158 $^{\circ}$ F)
- Storage Temp. -25 ~ 85 $^{\circ}$ C (-13 ~ 185 $^{\circ}$ F)



ADAM-4017



## Specifications

### General

- Power Consumption 1.2 W @ 24 V<sub>DC</sub>
- Watchdog Timer System (1.6 second)
- Supported Protocols ASCII command

### Analog Input

- Channels 6 differential and 2 single-ended
- 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

## Ordering Information

- ADAM-4016 1-ch Analog Input/Output Module
- ADAM-4017 8-ch Analog Input Module

- 1 Motion Control
- 2 Hazardous Location
- 3 Energy Automation
- 4 Building Automation Systems
- 5 Automation Software
- 6 Operator Panels
- 7 Automation Panel PCs
- 8 Industrial Monitors
- 9 Industrial Ethernet
- 10 Device Servers & Gateways
- 11 Serial Communication Cards
- 12 Embedded Auto. Computers
- 13 PACs
- 14 M2M I/O
- 15 Distributed Nano Controllers
- 16 RS-485 I/O
- 17 Ethernet I/O
- 18 DAQ Boards