



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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ADAM-4016

ADAM-4017

1-ch Analog Input/Output Module

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 DAO Boards



ADAM-4016



Specifications

General

- **Connectors** 2 x plug-in terminal blocks (#14 ~ 22 AWG)
- **Power Consumption** 2.2 W @ 24 V_{DC}
- **Watchdog Timer** System (1.6 s)
- **Supported Protocols** ASCII command

Analog Input

- **Channels** 1 differential
- **Input Impedance** Voltage: 2 MΩ
Current: 125 Ω (Added by users)
- **Input Type** mV, mA
- **Input Range** ±15 mV, ±50 mV, ±100 mV, ±500 mV, ±20 mA

Analog Output

- **Channels** 1
- **Accuracy** 0.05% of FSR
- **Output Type** V
- **Output Range** 0 ~ 10 V
- **Drift** ±50 ppm/°C
- **Drive Current** 30 mA
- **Isolation Voltage** 3,000 V_{DC}

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_{DC}
- **Connectors** 2 x plug-in terminal block (#14 ~ 22 AWG)

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)



ADAM-4017



Specifications

General

- **Power Consumption** 1.2 W @ 24 V_{DC}
- **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** ±150 mV, ±500 mV, ±1 V, ±5 V, ±10 V, ±20 mA

Ordering Information

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