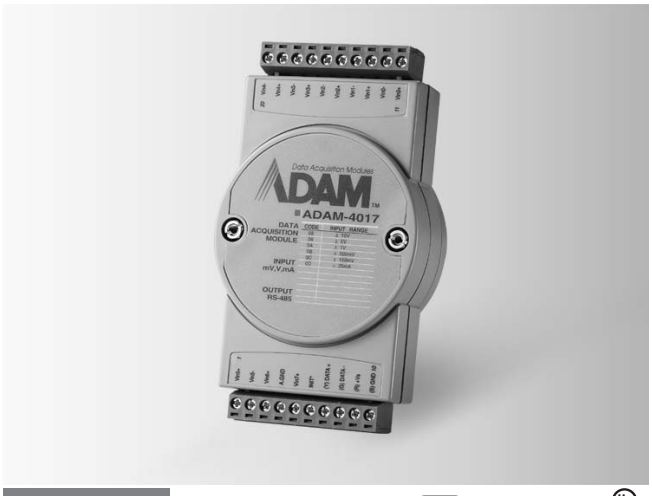
ADAM-4016
ADAM-4017

1-ch Analog Input/Output Module

8-ch Analog Input Module

ADAM-4016



ADAM-4017

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

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

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)

Ordering Information

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