

ADAM-6017

ADAM-6018

ADAM-6024

8-ch Analog Input w/DO Module

8-ch Thermocouple Input w/DO Module

12-ch Universal Input/Output Module



ADAM-6017

CE FCC



ADAM-6018

CE FCC



ADAM-6024

CE FCC

Specifications

General

- Power Consumption 2 W @ 24 Vdc
- Watchdog Timer Yes, programmable (Comm.)

Analog Input

- Channels 8 differential
- Input Impedance 20 M Ω
- Input Type mV, V, mA
- Input Range ± 150 mV, ± 500 mV, ± 1 V, ± 5 V, ± 10 V, 0-20 mA, 4-20 mA
- Sampling Rate 10 samples/sec.

Digital Output

- Channels 2
- Open Collector to 30 V, 100 mA max. load
- Power Dissipation 300 mW for each module

Ordering Information

- ADAM-6017 8-ch Analog Input with DO Module

Specifications

General

- Power Consumption 2 W @ 24 Vdc
- Watchdog Timer Yes, programmable (Comm.)

Analog Input

- Channels 8 differential
- Input Impedance 20 k Ω
- Input Type Thermocouple
- Thermocouple Type and Thermocouple Range:

J	0	~	760° C
K	0	~	1370° C
T	-100	~	400° C
E	0	~	1000° C
R	500	~	1750° C
S	500	~	1750° C
B	500	~	1800° C
- Sampling Rate 10 samples/sec.

Digital Output

- Channels 8
- Open Collector to 30 V, 100 mA max. load
- Power Dissipation 300 mW for each module

Ordering Information

- ADAM-6018 8-ch Thermocouple Input with DO Module

Specifications

General

- Power Consumption 4 W @ 24 Vdc
- Watchdog Timer Yes, programmable (Comm.)

Analog Input

- Channels 6 differential
- Input Impedance 20 M Ω
- Input Type mA, V
- Input Range ± 10 V_{DC}, 0 ~ 20 mA, 4 ~ 20 mA
- Sampling Rate 10 samples/sec.

Analog Output

- Accuracy 0.05% of FSR
- Channels 2
- Drift ± 50 ppm/° C
- Drive Voltage 15 V_{DC} (current output)
- Output Type V, mA
- Output Range 0 ~ 10 V_{DC}, 4 ~ 20 mA, 0 ~ 20 mA

Resolution

- Resolution 12 bits

Digital Inputs

- Channels 2
- Dry Contact:
 - Logic level 0: close to GND
 - Logic level 1: open
- Wet Contact:
 - Logic level 0: +3 V_{max}
 - Logic level 1: 10-30 V_{DC}

Digital Outputs

- Channels 2
- Open Collector to 30 V 100 mA max. load
- Power Dissipation 300 mW for each module

Ordering Information

- ADAM-6024 12-ch Universal Input/Output Module

Common Specifications

General

- Certifications CE, FCC class A
- Connectors 1 x RJ-45 (LAN) Plug-in screw terminal block (I/O, and power)
- LAN 10/100Base-T
- LED Indicators Power and communication
- Power Input Unregulated 10 ~ 30 V_{DC}

Analog Input

- Accuracy $\pm 0.1\%$ or better
- Bandwidth 13.1 Hz @ 50 Hz, 15.72 Hz @ 60 Hz

- CMR @ 50/60 Hz 92 dB min.
- Resolution 16 bits
- Span Drift ± 25 ppm/° C
- Zero Drift ± 6 μ V/° C

Protection

- Fault and Overvoltage withstands overvoltage
- Isolation Voltage 2,000 V_{DC}
- Protection up to ± 35 Vdc

Digital Input

- Supports 3 kHz Counter Input
- Supports 3 kHz Frequency Input
- Supports Invert DI Status

Digital Output

- Supports 1 kHz Pulse Output
- Supports High-to-Low Delay Output
- Supports Low-to-High Delay Output

Environment

- Humidity (Operating) 20 ~ 95% RH (non-condensing)
- Humidity (Storage) 0 ~ 95% RH (non-condensing)
- Operating Temperature
 - ADAM-6017/6018: -10 ~ 70° C
 - ADAM-6024: -10 ~ 50° C
- Storage Temperature -20 ~ 80° C