

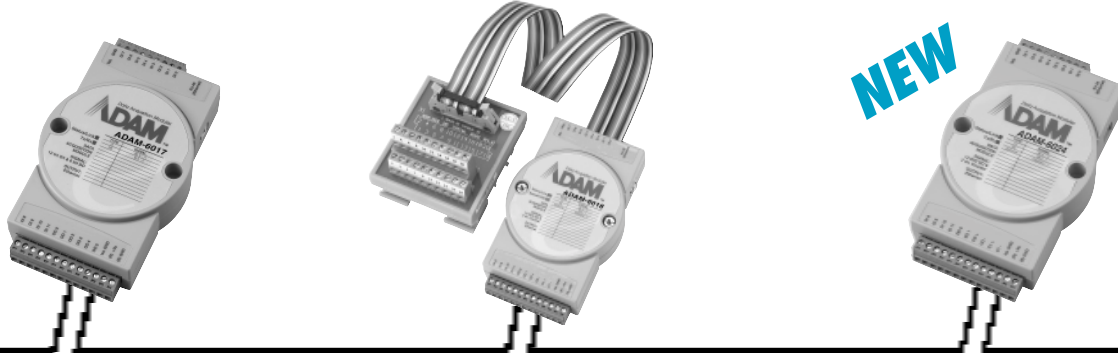
ADAM-6017

8-channel Analog Input w/DO Module

ADAM-6018

8-channel Thermocouple Input w/DO Module

ADAM-6022/6024 Dual-loop PID Controller/12-channel Universal Input Output Module



ADAM-6017 8-channel Analog Input w/DO Module

Analog Input

- **Effective Resolution:** 16-bit
- **Channels:** 8 differential
- **Input Type:** mV, V, mA
- **Input Range:** ±150 mV, ±500 mV, 0-5 V, ±10 V, 0-20 mA, 4-20 mA
- **Isolation Voltage:** 2000 V_{DC}
- **Fault and Overvoltage Protection:** withstands overvoltage up to ±35 V
- **Sampling Rate:** 10 samples/sec.
- **Input Impedance:** 20 MΩ
- **Bandwidth:** 13.1 Hz @ 50 Hz, 15.72 Hz @ 60 Hz
- **Accuracy:** ±0.1% or better
- **Zero Drift:** ±6 μV/° C
- **Span Drift:** ±25 ppm/° C
- **CMR @ 50/60 Hz:** 92 dB min.

Digital Output

- **Channel:** 2
Open Collector to 30 V
100 mA max. load
- **Optical Isolation:** 2000V_{RMS}

Power

- **Power Requirements:** Unregulated +10 ~ +30 V_{DC}
- **Power Consumption:** 2 W
- **Built-in Watchdog Timer**

ADAM-6018 8-channel Thermocouple Input w/DO Module

Analog Input

- **Effective Resolution:** 16-bit
- **Channels:** 8 differential
- **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
- **Isolation Voltage:** 2000 V_{DC}
- **Fault and Overvoltage Protection:** withstands overvoltage up to ±35 V
- **Sampling Rate:** 10 samples/sec.
- **Input Impedance:** 10 KΩ
- **Bandwidth:** 13.1 Hz @ 50 Hz, 15.72 Hz @ 60 Hz
- **Accuracy:** ±0.1% or better
- **Zero Drift:** ±6 μV/° C
- **Span Drift:** ±25 ppm/° C
- **CMR @ 50/60 Hz:** 92 dB min.

Digital Output

- **Channel:** 8
Open Collector to 30 V
100 mA max. load
- **Optical Isolation:** 2000 V_{RMS}

Power

- **Power Requirements:** unregulated +10 ~ +30 V_{DC}
- **Power Consumption:** 2 W
- **Built-in Watchdog Timer**

ADAM-6022/6024 Dual-loop PID Controller/ 12-channel Universal Input Output Module

- **Loop Number:** 2 (3 AI, 1 AO, 1 DI, 1 DO for each control loop, PID support only for ADAM-6022)

Analog Input

- **Channel:** 6 differential
- **Effective Resolution:** 16-bit
- **Input type:** V, mA
- **Input Range:** 0 ~ 10 V_{DC}, 0 ~ 20 mA, 4 ~ 20 mA
- **Isolation Voltage:** 2,000 V_{DC}
- **Sampling Rate:** 10 samples/sec.
- **Input Impedance:** 20 MΩ
- **Bandwidth:** 13.1 Hz @ 50 Hz, 15.72 Hz @ 60 Hz
- **Accuracy:** ±0.1 % or better
- **Zero Drift:** ±6 μV/° C
- **Span Drift:** ±25 ppm/° C
- **CMR @ 50/60 Hz:** 92 dB min.

Analog Output

- **Channel:** 2
- **Effective Resolution:** 12-bit
- **Output Type:** V, mA
- **Output Range:** 0 ~10 V_{DC}, 4 ~ 20 mA, 0 ~ 20 mA
- **Drive Voltage:** 15 V_{DC} (for current output)
- **Isolation Voltage:** 2,000 V_{DC}
- **Accuracy:** 0.05% of FSR
- **Drift:** ±50 ppm/° C

Digital Input:

- **Channel:** 2
Dry Contact: logic level 0: close to GND
logic level 1: open

Digital Output

- **Channel:** 2
Open Collector to 30 V
100 mA max. load
- **Power Consumption:** 4 W (typical)

WebLink
WebOIT 1

IPPC &
AWS 2

TPC 3

FPM 4

IPC 5

UNO-
2000 6

ICOM 7

DA&C 8

cPCI 9

ADAM-
3000 10

ADAM-
4000 11

ADAM-
5000 12

ADAM-
6000 13

ADAM-
8000 14

Industrial
Converters 15

VBOX 16

Software 17

Index