

# ADAM-5024 ADAM-5050 ADAM-5051/D/S

4-ch Analog Output Module

16-ch Universal Digital I/O Module

16-ch Digital Input Module



ADAM-5024



ADAM-5050



ADAM-5051  
ADAM-5051D  
ADAM-5051S

## Specifications

### General

- Certification CE, FM
- Connectors 1 x Plug-in screw terminal (# 14 ~ 22 AWG)
- Enclosure ABS+PC
- Power Consumption 2.9 W (max.)

### Analog Output

- Accuracy  $\pm 0.1\%$  of FSR for current output  
 $\pm 0.2\%$  of FSR for voltage output
- Channels 4
- Current Load Resistor  $0 \sim 500 \Omega$  (source)
- Output Type mA, V
- Output Range  $0 \sim 20 \text{ mA}$ ,  $4 \sim 20 \text{ mA}$ ,  $0 \sim 10 \text{ V}$
- Programmable Output Slope  $0.125 \sim 128.0 \text{ mA/sec.}$   
 $0.0625 \sim 64.0 \text{ V/sec.}$
- Resolution 12-bit
- Resolution  $\pm 0.015\%$  of FSR
- Span Temperature Coefficient  $\pm 25 \text{ PPM/}^{\circ}\text{C}$
- Zero Drift Voltage:  $\pm 30 \text{ }\mu\text{V/}^{\circ}\text{C}$   
Current:  $\pm 0.2 \text{ }\mu\text{A/}^{\circ}\text{C}$

### Protection

- Isolation Voltage  $3,000 \text{ V}_{\text{DC}}$

## Ordering Information

- ADAM-5024 4-ch Analog Output Module

## Specifications

### General

- Certification CE, FM
- Connectors 1 x Plug-in screw terminal (# 14 ~ 22 AWG)
- Enclosure ABS+PC
- Power Consumption 1.2 W (max.)

### Digital I/O

- Channels 16
- Channel I/O Type Bit-wise selectable by DIP switch
- Digital Input Dry Contact:  
Logic level 0: close to GND  
Logic level 1: open  
Wet Contact:  
Logic level 0: 2 V max.  
Logic level 1: 4 ~ 30 V  
Open collector to 30 V,  
100 mA and 450 mW max.  
load
- Digital Output 300 mW for each channel
- Power Dissipation 300 mW for each channel

## Ordering Information

- ADAM-5050 16-ch Universal Digital Input/Output Module

## Specifications

### General

- Certification CE
- Connectors ADAM-5051/5051D: 1 x Plug-in screw terminal (# 14 ~ 22 AWG)  
ADAM-5051S: 1 x Plug-in screw terminal (# 14 ~ 28 AWG)  
ABS+PC

### Enclosure

- LED Indicators ADAM-5051D  
On: Input logic level 1  
Input floating  
Off: Input logic level 0  
ADAM-5051S  
On: Active  
Off: Inactive

### Power Consumption

- ADAM-5051: 0.53 W (max.)  
ADAM-5051D: 0.84 W (max.)  
ADAM-5051S: 0.8 W (max.)

### Digital Input

- Circuit Type Pull-up current: 0.5 mA (Source Type) -only for ADAM-5051/5051D  
16  
ADAM-5051/5051D:  
30 V max  
ADAM-5051S: 50 V max
- Channels 16
- Input Voltage ADAM-5051D:  
Logic level 0: 1 V max.  
Logic level 1: 3.5 ~ 30 V  
ADAM-5051S:  
Logic level 0: 3 V max.  
Logic level 1: 10 ~ 50 V
- Logic Level ADAM-5051D:  
Logic level 0: 1 V max.  
Logic level 1: 3.5 ~ 30 V  
ADAM-5051S:  
Logic level 0: 3 V max.  
Logic level 1: 10 ~ 50 V

### Protection (Only for ADAM-5051S)

- Optical Isolation  $2,500 \text{ V}_{\text{DC}}$
- Oversupply Protection  $70 \text{ V}_{\text{DC}}$

## Ordering Information

- ADAM-5051 16-ch Digital Input Module
- ADAM-5051D 16-ch Digital Input Module w/ LED
- ADAM-5051S 16-ch Isolated Digital Input Module w/ LED