

# ADAM-4024

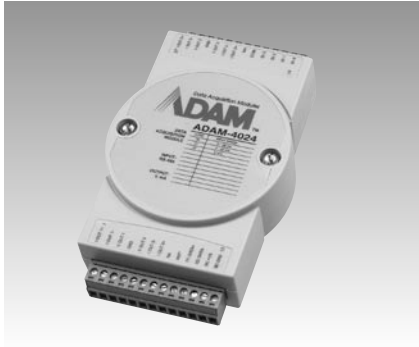
# ADAM-4050

# ADAM-4051

4-channel Analog Output Module with Modbus®

Digital I/O Module

16-channel Isolated Digital Input Module with LED & Modbus®



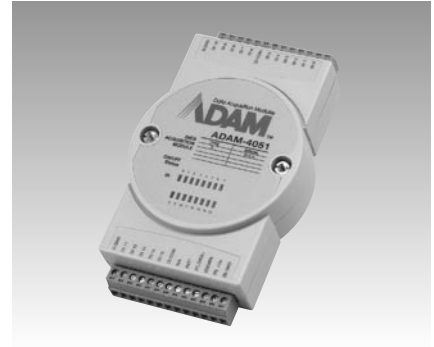
ADAM-4024

CE FCC



ADAM-4050

CE FM APPROVED



ADAM-4051

CE FCC

## Specifications

### Analog Output

- **Effective Resolution** 12-bit
- **Channels** 4
- **Output Type** mA, V
- **Output Range** 0 to 20 mA, 4 to 20 mA, ±10 V
- **Isolated Voltage** 3000 V<sub>DC</sub>
- **Output Impedance** 0.5 Ω
- **Accuracy** ±0.1 % of FSR for current output  
±0.1 % of FSR for voltage output
- **Resolution** ±0.015 % of FSR
- **Zero Drift** Voltage output: ±30 μV/°C  
current output: ±0.2 μA/°C
- **Span Temperature Coefficient** ±25 ppm/°C
- **Programmable Output Slope** 0.125 ~ 128 mA/sec.  
0.0625 ~ 64.0 V/sec.
- **Current Load Resistor** 0 to 500 Ω (source)

### Built-in Watchdog Timer

- **Isolated Digital Input** Channel: 4  
level 0: +1 V max  
level 1: 10 ~ 30 V<sub>DC</sub>

### Built-in Watchdog Timer

- **Power Requirement** Unregulated +10 ~ +30 V<sub>DC</sub>
- **Power Consumption** 3 W @ 24 V<sub>DC</sub>

## Ordering Information

- **ADAM-4024** 4-channel Analog Output Module w/Modbus® V or mA

## Specifications

### Digital Input

- **Channels** 7  
logic level 0: +1 V max.  
logic level 1: +3.5 V ~ +30 V  
pull up current: 0.5 mA,  
10 kΩ resistor to +5 V

### Digital Output

- **Channels** 8  
open collector to 30 V,  
30 mA max. load  
power dissipation: 300 mW

### Built-in Watchdog Timer

#### Power

- **Power Requirements** Unregulated +10 ~ +30 V<sub>DC</sub>
- **Power Consumption** 0.4 W @ 24 V<sub>DC</sub>

## Ordering Information

- **ADAM-4050** Digital I/O Module

## Specifications

### Digital Input

- **Channels** 16
- **Input Voltage** 50 V max
- **Input Voltage level** (Configurable)  
Dry contact:  
logic level 0: close to GND  
logic level 1: open wet contact:  
logic level 0: +3 V max  
logic level 1: +10 to 50 V
- **Optical Isolation** 2,500 V<sub>DC</sub>
- **Over Voltage Protection** 70 V<sub>DC</sub>

### Built-in Watchdog Timer

- **Power Consumption** 1 W @ 24 V<sub>DC</sub> (Typical)
- **LED Indicator** On: Active  
Off: Non-active

## Ordering Information

- **ADAM-4051** 16-channel Isolated Digital Input Module with LED and Modbus®