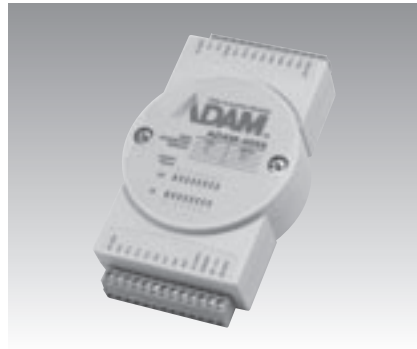


ADAM-4053 ADAM-4055 ADAM-4056S/4056SO

16-ch Digital Input Module
16-ch Isolated Digital I/O Module with Modbus®
12-ch Sink/Source Type Isolated Digital Output Modules with Modbus



ADAM-4053



ADAM-4055



ADAM-4056S/4056SO



Specifications

General

- **Connectors** 2 x Plug-in terminal blocks (#14 ~ 22 AWG)
- **Watchdog Timer** System (1.6 second)
- **Support Protocol** ASCII command

Digital Input

- **Channels** 16
- **Input Level**
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
- **Effective Distance (dry contact only)** 500 m max.

Specifications

General

- **Connectors** 2 x Plug-in terminal blocks (#14 ~ 28 AWG)
- **Watchdog Timer** System (1.6 second) & Communication
- **Support Protocol** ASCII command and Modbus/RTU
- **Isolation Voltage** 2500 V_{DC}
- **LED Indicators** Yes

Digital Input

- **Channels** 8
- **Input Level**
Dry Contact: Logic level 0: open
Logic level 1: close to GND
Wet Contact: Logic level 0: +3 V_{max}
Logic level 1: +10 ~ 50 V
(Note: The Digital Input Level 0 and 1 status can be inverted)
- **Overvoltage Protection** 70 V_{DC}

Digital Output

- **Channels** 8, open collector to 40 V (200 mA max. load)
- **Power Dissipation** Channel: 1W max
Total: 2.2W (8 Channels)

Specifications

General

- **Connectors** 2 x Plug-in terminal blocks (#14~22 AWG)
- **Watchdog Timer** System (1.6 second) & Communication
- **Support Protocol** ASCII command and Modbus/RTU
- **Isolation Voltage** 5000 V_{DC}
- **Digital Output Channels** 12
- **LED Indicators** Yes

ADAM-4056S

- **Digital Output** Open collector to 40V (200mA max. load)
- **Power Dissipation** Channel: 1 W max
Total: 2.2 W (8 Channels)
- **Digital Output Type** Sink

ADAM-4056SO

- **Digital Output** VCC: 10 ~ 35 V_{DC}
Current: 1A (per channel)
- **Digital Output Type** Source
- **Over Current Detection and Protection**

Common Specifications

- **Power Input** Unregulated 10 ~ 30 V_{DC}
- **Power Consumption** 1W @ 24 V_{DC}

Environment

- **Humidity** 5 ~ 95% RH
- **Operating Temperature** -10 ~ 70°C (14 ~ 158° F)
- **Storage Temperature** -25 ~ 85°C (-13 ~ 185° F)

Ordering Information

- **ADAM-4053** 16-ch Digital Input Module
- **ADAM-4055** 16-ch Isolated Digital I/O Module with Modbus
- **ADAM-4056S** 12-ch Sink Type Isolated Digital Output Module with Modbus
- **ADAM-4056SO** 12-ch Source Type Isolated Digital Output Module with Modbus