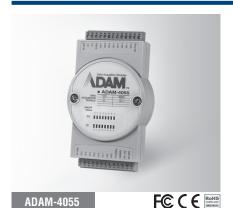
ADAM-4055 ADAM-4056SO ADAM-4080

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

2-ch Counter/Frequency Module







Specifications

General

 Certification FM, CE, UL

Connectors 2 x plug-in terminal blocks (#14 ~ 28 AWG)

Power Consumption 1 W @ 24 V DC typ.

1.7 W @ 24 V DC max. System (1.6 second) &

Communication Supported Protocols

ASCII command and Modbus/RTU

 Isolation Voltage 2,500 V_{DC} LED Indicators Yes

Digital Input

Watchdog Timer

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 70 V_{DC}

 Overvoltage Protection

Digital Output

8, open collector to 40 V Channels (200 mA max. load)

 Power Dissipation Channel: 1 W max. Total: 2.2 W (8 Channels)

Specifications

General

Certification FCC. CE. UL. UL Class I Division 2 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}

 LED Indicators Yes Power Consumption 0.3 W @ 24 V DC tvp. 0.5 W @ 24 V DC max.

ADAM-4056SO

Digital Output

VCC: 10 ~ 35 V_{DC} Channels Current: 1A (per channel)

 Digital Output Type Source **Over Current Detection and Protection**

Specifications

General

Certification

2 x plug-in terminal blocks Connectors (#14 ~ 22 AWG)

■ Power Consumption 2.0 W @ 24 V_{DC}

 Watchdog Timer System (1.6 second) Supported Protocols

ASCII command modbus/ RTU (E version)

Counter Input

Channels 2 independent counters (32-bit + 1-bit overflow)

Input Frequency 50 kHz max.

 Input Pulse Width >10 µs.

 Input Mode Isolated or non-isolated

 Isolated Input Level Logic level 0: 1 V max. Logic level 1: 3.5 ~ 30 V

 Isolation Voltage 2,500 V_{RMS} Programmable Non-isolated

Input Level threshold: Logic level 0: 0.8 Vmax.

Logic level 1: 2.4 ~ 5.0 V Maximum Count 4,294,967,295 (32-bit) **Preset Type** Absolute or relative

Programmable 2 μs ~ 65 ms **Digital Noise Filter**

Alarm Alarm comparators on each counter

Frequency 5 Hz ~ 50 kHz

Measurement Range **Programmable** 1 or 0.1 second

Built-in Gate Time

Digital Output

Channels 2, open collector to 30 V, 30 mA max. load

300 mW for each channel Power Dissipation

Common Specifications

General

 Power Input Unregulated 10 ~ 30 V_{DC}

Environment

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

(-13 ~ 185°F)

Ordering Information

ADAM-4055

16-ch Isolated Digital I/O Module with Modbus

ADAM-4056SO

12-ch Source Type Isolated Digital Output Module with Modbus

ADAM-4080

2-ch Counter/Frequency Modules