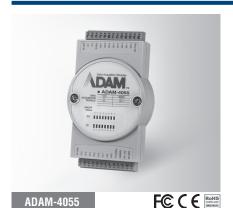
# **ADAM-4055 ADAM-4056SO ADAM-4080**

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

### 2-ch Counter/Frequency Module







ADAM-4056SO

ADAM-4080

CUL) US FC ( E ROHS

### **Specifications**

#### General

Certification

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<sub>DC</sub>

 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<sub>DC</sub>

 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

**Connectors** 2 x Plug-in terminal blocks

(#14 ~ 22 AWG)

**Watchdog Timer** System (1.6 second) & Communication

ASCII command and

Modbus/RTU Isolation Voltage

Support Protocol

LED Indicators

**ADAM-4056SO** 

5000 Vnc Yes

Power Consumption 0.3 W @ 24 V DC typ. 0.5 W @ 24 V DC max.

- Digital Output 12

VCC: 10 ~ 35 Vnc Channels Current: 1A

(per channel)

 Digital Output Type Source

• Over Current Detection and Protection

### **Specifications**

### General

 Certification FCC. CE. UL

Connectors 2 x plug-in terminal blocks

(#14 ~ 22 AWG)

■ Power Consumption 2.0 W @ 24 V<sub>DC</sub> 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

Programmable Non-isolated

Input Level

threshold:

2,500 V<sub>RMS</sub>

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

5 Hz ~ 50 kHz

Frequency 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

### **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

## **Common Specifications**

#### General

 Power Input Unregulated 10 ~ 30 VDC

#### **Environment**

ADVANTECH

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

Storage Temperature -25 ~ 85°C (-13 ~ 185°F)