# APAX-5017H **APAX-5028**

# 12-ch High Speed Analog Input Module

# 8-ch Analog Output Module



APAX-5017H



# **Specifications**

#### General

 Certification CE, FCC class A **Dimensions (W x H x D)** 30 x 139 x 100 mm Enclosure ABS+PC Weight 175 g

3.5 W @ 24 V<sub>DC</sub> (typical) Power Consumption

### **Analog Input**

Channels

 Input Impedance  $2 M\Omega$  (Voltage),  $120 \Omega$  (Current)

Input Type V. mV. mA

Input Range  $0 \sim 500 \text{ mV}, \pm 10 \text{ V}, 0 \sim 10 \text{ V}, 0 \sim 20 \text{ mA}, 4 \sim 20 \text{ mA}$ 

• Configure Different Range for Each Channel

 Resolution 12-bit with accuracy ±0.1% or better of Full Scale

Range (Voltage).

±0.2% or better of Full Scale Range (Current)

 Sampling Rate 1,000 sample/second (per channel)

\* Support Integration function to eliminate field site noise at sample rate: 100 sample/ second

Span Drift ±25 ppm/°C Zero Drift ±6 µV/°C • Wire Burn-out Detection Yes (4~20 mA only)

#### **Protection**

• Over Voltage Protection

2,500 V<sub>DC</sub> Isolation Between Channels and Backplane

Note: The voltage between any two pins must not exceed 15 V

### **Environment**

■ **Operating Temperature** -10 ~ 60°C (when mounted vertically)

■ Storage Temperature -40 ~ 70°C

 Relative Humidity 5 ~ 95% (non-condensing)

# **Ordering Information**

APAX-5017H 12-ch High Speed Analog Input Module



APAX-5028



# **Specifications**

#### General

Certification CE, FCC class A **Dimensions (W x H x D)** 30 x 139 x 100 mm

Enclosure ABS+PC Weight 175 g

3.5 W @ 24 V<sub>DC</sub> (typical) Power Consumption

### **Analog Output**

Channels 8 **Output Type** V. mA

**Output Range**  $\pm 2.5 \text{ V}, \pm 5 \text{ V}, \pm 10 \text{ V}, 0 \sim 2.5 \text{ V}, 0 \sim 5 \text{ V}, 0 \sim 10 \text{ V},$ 

0 ~ 20 mA, 4 ~ 20 mA

Configure Different Range for Each Channel

Resolution 14-bit with accuracy ±0.1% or better of Full Scale

· Settling time about 500 µs

**Slew Rate** 0.7 V<sub>DC</sub>/µs (per channel)

 Span Drift ±60 ppm/°C

Zero Drift ±275 mV/°C (Voltage)

±250 mV/°C (Current)

**Drive Voltage** 15 V<sub>DC</sub>

(Current Mode)

 Load (Current Mode)  $0 \sim 500\Omega$ 

#### **Protection**

Short Circuit Protection

2,500 V<sub>DC</sub> Isolation Between Channels and Backplane

### **Environment**

■ Operating Temperature -10 ~ 60°C (when mounted vertically)

■ Storage Temperature -40 ~ 70°C

 Relative Humidity 5 ~ 95% (non-condensing)

# **Ordering Information**

APAX-5028 8-ch Analog Output Module

**ADVANTECH** 

Last updated: 19-Mar-2014