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

# **12-ch High Speed Analog Input Module**

# 8-ch Analog Output Module



APAX-5017H

# **Specifications**

#### General

- Dimensions (W x H x D) 30 x 139 x 100 mm
- Weight 175 g
- Power Consumption 3.5 W @ 24 V<sub>DC</sub> (typical)

## **Analog Input**

- Channels
- Input Impedance
  - $2M\Omega$  (Voltage),  $120\Omega$  (Current) V, mV, mA

12

Input Type Input Range ±500 mV. ±10 V. 0 ~ 10 V. 0 ~ 20 mA. 4 ~ 20 mA

Range (Voltage),

±25 ppm/° C

±6 µV/° C

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

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

1,000 sample/second (per channel)

- Configure Different Yes **Range for Each Channel**
- Resolution
- Sampling Rate
- Span Drift Zero Drift

#### Protection

#### Supports Over Voltage Protection

- Isolation Between 2,500 V<sub>DC</sub>
- **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-5001 1-slot Backplane Module
- APAX-5002 2-slot Backplane Module
- APAX-5343E Power Supply for APAX Expansion Module



NEW



# **Specifications**

### General

- Dimensions (W x H x D) 30 x 139 x 100 mm
- Weight
- Power Consumption 3.5 W @ 24 V<sub>DC</sub> (typical)

175 g

8

V. mA

### **Analog Output**

- Channels
  - Output Type
- **Output Range**
- **Configure Different**
- **Range for Each Channel**

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

- Settling time about 500 µs
  - - ±60 ppm/° C
- ±275 mV/° C (Voltage)
- (Current Mode)
- 2,500 V<sub>DC</sub> **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
- APAX-5001 1-slot Backplane Module
- APAX-5002 2-slot Backplane Module
- APAX-5343E Power Supply for APAX Expansion Module

±2.5 V, ±5 V, ±10 V, 0 ~ 2.5 V, 0 ~ 5 V, 0 ~ 10 V, 0 ~ 20 mA, 4 ~ 20 mA Yes

- Slew Rate  $0.7 V_{DC}/\mu s$  (per channel)

  - ±250 mV/° C (Current)

# Span Drift Zero Drift

- Drive Voltage  $15 V_{DC}$
- Load (Current Mode)  $0 \sim 500 \Omega$

- Protection
- Isolation Between
  - Short Circuit Protection