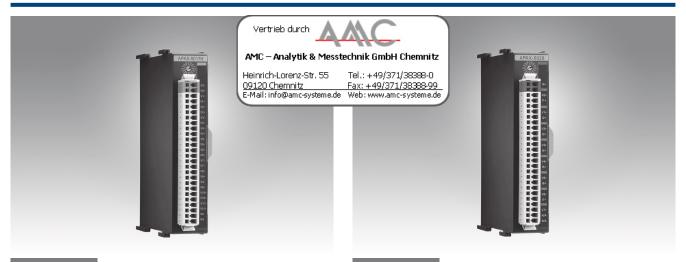
APAX-5017H APAX-5028

12-ch High Speed Analog Input Module

8-ch Analog Output Module



APAX-5017H



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

■ **Power Consumption** 3.5 W @ 24 V_{DC} (typical)

Analog Input

• Channels 12

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

Input TypeV, 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 $\pm 25 \text{ ppm/°C}$ ■ Zero Drift $\pm 6 \mu \text{V/°C}$

• Wire Burn-out Detection Yes (4 ~ 20 mA only)

Protection

• Over Voltage Protection

2,500 V_{DC} 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

Specifications

General

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

Enclosure ABS+PCWeight 175 g

■ Power Consumption 3.5 W @ 24 V_{DC} (typical)

Analog Output

Channels 8Output 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

Range

- **Settling time** about 500 μs

• Slew Rate 0.7 V_{DC}/µs (per channel)

Span Drift ±60 ppm/°C

■ Zero Drift ±275 mV/°C (Voltage)

±250 mV/°C (Current)

■ Drive Voltage 15 V_{DC}

(Current Mode)

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

Protection

Short Circuit Protection

■ 2,500 V_{DC} Isolation Between Channels and Backplane

Environment

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

• Storage Temperature $-40 \sim 70^{\circ}$ C

• Relative Humidity 5 ~ 95% (non-condensing)

Ordering Information

APAX-5028
8-ch Analog Output Module

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