

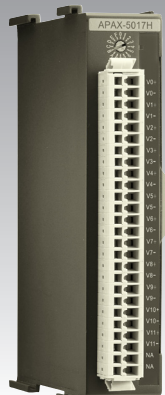
APAX-5017H

APAX-5018

12-ch High Speed Analog Input Module

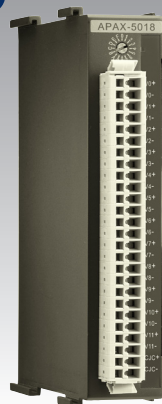
12-ch Thermocouple Input Module

Preliminary



APAX-5017H

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APAX-5018

Specifications

General

- Enclosure ABS+PC
- Power Consumption 3 W

Analog Input

- Channels 12
- Input Impedance $2M\Omega$ (Voltage), 120Ω (Current)
- Input Type V, mV, mA
- Input Range ± 500 mV, ± 10 V, 0 ~ 20 mA, 4 ~ 20 mA
- Configure Different Range for Each Channel Yes
- Accuracy $\pm 0.1\%$ or better
- Resolution 12-bit
- Sampling Rate 1000 sample/second (per channel)
- CMR @ 50/60Hz 90 dB
- NMR @ 50/60Hz 62 dB
- Span Drift ± 25 ppm/ $^{\circ}$ C
- Zero Drift ± 6 μ V/ $^{\circ}$ C
- Noise Rejection Hardware Filter (50/60 Hz)

Protection

- Over Voltage Protection Yes
- Isolation Between Channels and Backplane 3000 VDC

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

Environment

- Operating Temperature -10 ~ 50 $^{\circ}$ C
- Storage Temperature -25 ~ 85 $^{\circ}$ C
- Humidity 5 ~ 95% (non-condensing)

Ordering Information

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

Specifications

General

- Enclosure ABS+PC
- Power Consumption 3 W

Analog Input

- Channels 12
- Input Impedance $20 M\Omega$ (Voltage), 120Ω (Current)
- Input Type V, mV, mA, Thermocouple
- Voltage/Current Range 0 ~ 20 mA, 4 ~ 20 mA, ± 50 mV, ± 150 mV, ± 500 mV, ± 1 V, ± 5 V, ± 10 V
- Thermocouple Type and Temperature Range Type J (0~760 $^{\circ}$ C), Type K (0~1370 $^{\circ}$ C), Type T (-100~400 $^{\circ}$ C), Type E (0~1000 $^{\circ}$ C), Type R (500~1750 $^{\circ}$ C), Type S (500~1750 $^{\circ}$ C), Type B (500~1800 $^{\circ}$ C)

- Configure Different Range for Each Channel Yes
- Accuracy $\pm 0.1\%$ or better (T/C), $\pm 0.2\%$ or better (Current)
- Resolution 16-bit
- Sampling Rate 10 sample/second (total)
- Conversion Time 100 ms (per channel)
- CMR @ 50/60Hz 90 dB
- NMR @ 50/60Hz 62 dB
- Span Drift ± 25 ppm/ $^{\circ}$ C
- Zero Drift ± 6 μ V/ $^{\circ}$ C
- Noise Rejection Hardware Filter (50/60 Hz)
- Wire Burn-out Detection Yes (Thermocouple only)

Protection

- Over Voltage Protection Yes
- Isolation Between Channels and Backplane 3000 VDC

Environment

- Operating Temperature -10 ~ 50 $^{\circ}$ C
- Storage Temperature -25 ~ 85 $^{\circ}$ C
- Humidity 5 ~ 95% (non-condensing)

Ordering Information

- APAX-5018 12-ch Thermocouple Input Module