

AMAX-5015 AMAX-5018 AMAX-5024

4-ch RTD Input Module

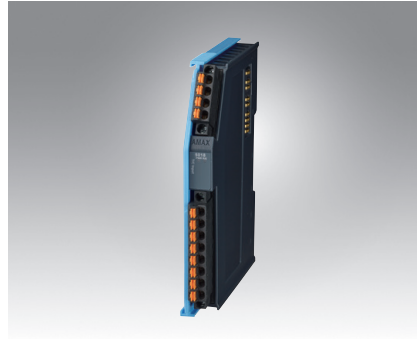
6-ch Thermocouple Input Module

4-ch Analog Output Module



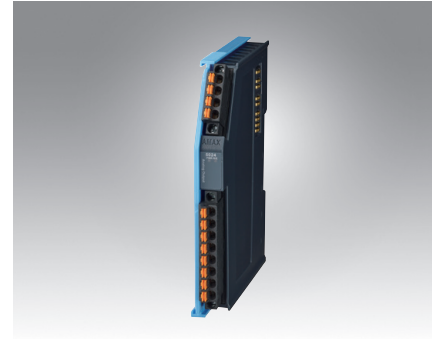
AMAX-5015

CE FCC RoHS COMPLIANT PRODUCT



AMAX-5018

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AMAX-5024

CE FCC RoHS COMPLIANT PRODUCT

Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P push-in terminal (#24~16 AWG)
- **Enclosure** PC
- **Power Consumption** 2W@24V_{DC}
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **LED Indicator** PWR, RUN

RTD Input

- **Channels** 4
- **Input Connections** 2 or 3 wire
- **Temperature Range**
 - Pt 100 RTD: Pt -50°C to 150°C
 - Pt 0°C to 100°C
 - Pt 0°C to 200°C
 - Pt 0°C to 400°C
 - Pt -200°C to 200°C
 - IEC RTD 100 ohms (a = 0.00385)
 - JIS RTD 100 ohms (a = 0.00392)
 - Pt 1000 RTD
 - Balco 500 RTD
 - Ni 518 RTD
- **Resolution** 16 bit with $\pm 0.1\%$ FSR accuracy
- **Sample Rate** 100 sample/s (per channel)
- **Burn-out detection** Yes

Protection

- **Isolation Voltage** 2,000 V_{DC}

Environment

- **Operation Temperature** -25~60°C (vertical mounted)
- **Storage Temperature** -40~85°C
- **Relative Humidity** 95% (non-condense)

Ordering Information

- **AMAX-5015** 4-ch RTD Input Module

Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P push-in terminal (#24~16 AWG)
- **Enclosure** PC
- **Power Consumption** 2W@24V_{DC}
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **LED Indicator** PWR, RUN

Thermocouple Input

- **Channels** 6 differential
- **Input Type** V, mV, Thermocouple
- **Input Impedance** >2M Ω
- **Voltage Range** ± 50 mV, ± 100 mV, ± 500 mV, ± 1 V, ± 2.5 V
- **Temperature Range**
 - Type J (0 ~ 760°C)
 - Type K (0 ~ 1370°C)
 - Type T (-100 ~ 400°C)
 - Type E (0 ~ 1000°C)
 - Type R (500 ~ 1750°C)
 - Type S (500 ~ 1750°C)
 - Type B (500 ~ 1800°C)
 - Type N (-200 ~ 1300°C)
- **Resolution** 16-bit with $\pm 0.1\%$ FSR accuracy
- **Sample Rate** 100 sample/s (per channel)

Protection

- **Isolation Voltage** 2,000 V_{DC}

Environment

- **Operation Temperature** -25~60°C (vertical mounted)
- **Storage Temperature** -40~85°C
- **Relative Humidity** 95% (non-condense)

Ordering Information

- **AMAX-5018** 6-ch Thermocouple Input Module

Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P push-in terminal (#24~16 AWG)
- **Enclosure** PC
- **Power Consumption** 3.5W@24V_{DC}
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **Distributed Clock** Default inactive
- **LED Indicator** PWR, RUN

Analog Output

- **Channels** 4
- **Output Type** V, mV, mA
- **Output Range** 0~5V, 0~10V, ± 5 V, ± 10 V, 4~20mA, 0~20mA
- **Resolution** 16-bit with accuracy $\pm 0.01\%$ FSR@25°C
- **Slew Rate** Configurable
- **Drift** ± 50 ppm/°C
- **Current Load Resistor** Max. 500 Ω
- **Voltage Load Resistor** Min. 1K Ω

Protection

- **Isolation Voltage** 2,000 V_{DC}

Environment

- **Operation Temperature** -25~60°C (vertical mounted)
- **Storage Temperature** -40~85°C
- **Relative Humidity** 95% (non-condense)

Vertrieb durch

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Ordering Information

- **AMAX-5024** 4-ch Analog Output Module