

AMAX-5017C

AMAX-5017V

AMAX-5017H

6-ch Current AI Module

6-ch Voltage AI Module

4-ch High Speed AI Module



AMAX-5017C

CE FCC RoHS



AMAX-5017V

CE FCC RoHS



AMAX-5017H

CE FCC RoHS

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
- Distributed Clock Supported, default inactive
- LED Indicator PWR, RUN

Analog Input

- Channels 6 (Differential)
- Input Type mA
- Current Range $\pm 20\text{ mA}$, 0 ~ 20 mA, 4 ~ 20 mA
- Input Impedance $120\ \Omega$
- Resolution 16-bit with $\pm 0.2\%$ FSR accuracy @25°C
- Sampling Rate 100 sample/s per channel (Depends on EtherCAT cycle time)
- 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)

Specifications

General

- Certification CE, FCC class A
- Connector Pluggable 4P+8P push-in terminal (#24-16 AWG)
- Enclosure PC
- Power Consumption 2.6W@24V_{DC}
- Protocol EtherCAT
- Transmission Rate 100Mbps
- Distributed Clock Supported, default inactive
- LED Indicator PWR, RUN

Analog Input

- Channels 6 (Differential)
- Input Type V, mV
- Voltage Range $\pm 150\text{ mV}$, $\pm 500\text{ mV}$, $\pm 1\text{ V}$, $\pm 5\text{ V}$, $\pm 10\text{ V}$
- Input Impedance $>1\text{ M}\ \Omega$
- Resolution 16 bit with $\pm 0.1\%$ FSR accuracy @25°C
- Sampling Rate 100 sample/s per channel (Depends on EtherCAT cycle time)

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)

Specifications

General

- Certification CE, FCC class A
- Connector Pluggable 4P+8P push-in terminal (#24-16 AWG)
- Enclosure PC
- Power Consumption 2.5W@24V_{DC}
- Protocol EtherCAT
- Transmission Rate 100Mbps
- Distributed Clock Supported, default inactive
- LED Indicator PWR, RUN

Analog Input

- Channels 4 (Differential)
- Input Type V, mA
- Voltage Range $\pm 10\text{ V}$, 0~10V, 0~20mA, -20~20mA
- Input Impedance $800\ \text{k}\Omega$, for voltage input
 $500\ \Omega$, for current input
- Resolution 16-bit with $\pm 0.1\%$ FSR accuracy for voltage input (25°C)
16-bit with $\pm 0.2\%$ FSR accuracy for current input (25°C)
- Sampling Rate 10k sample/s per channel (Depends on EtherCAT cycle time)

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-5017C-A

6-ch Current AI
Module

Ordering Information

- AMAX-5017V-A

6-ch Voltage AI
Module

Ordering Information

- AMAX-5017H-A

4-ch High Speed AI
Module