

# AMAX-5017VW

## 6-ch Voltage AI Module



AMAX-5017VW

CE FCC



### Features

- 6 differential input channels ideal for multi-sensor systems
- Flexible voltage input ranges for various sensor signals
- High resolution (16-bit ADC) beneficial for precision measurement
- High accuracy ( $\pm 0.1\%$  FSR) ensures data integrity
- High electrical isolation for reliable signal acquisition
- LED indicators for easy status monitoring

### Specifications

#### General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P+8P push-in terminal (#24-16 AWG)
- **Enclosure** PC (UL 94V-0)
- **Power Consumption** 2.5W@24V<sub>DC</sub>
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **Distributed Clock** Supported, default inactive
- **LED Indicator** PWR, RUN

#### Protection

- **Isolation Voltage** 2,000 V<sub>DC</sub>

#### Environment

- **Operation Temperature** -10~60°C (vertical mounted)
- **Storage Temperature** -40~85°C
- **Relative Humidity** 95% (non-condense)

#### Analog Input

- **Channels** 6 (Differential)
- **Input Type** V, mV
- **Voltage Range**  $\pm 150$  mV,  $\pm 500$  mV,  $\pm 1$  V,  $\pm 5$  V,  $\pm 10$  V
- **Input Impedance** 10M  $\Omega$
- **Resolution** 16-bit with  $\pm 0.1\%$  FSR accuracy
- **Sampling Rate** 100 sample/s per channel (Depends on EtherCAT cycle time)
- **Common Mode Voltage** Sampling rate 10Hz: 600V<sub>DC</sub>  
Sampling rate 600Hz: 600V<sub>DC</sub>@  $\pm 5$  V,  $\pm 10$  V;  
100V<sub>DC</sub>@  $\pm 150$  mV,  $\pm 500$  mV,  $\pm 1$  V

### Ordering Information

- **AMAX-5017VW-A** 6-ch Voltage AI Module

### Dimensions

Unit: mm

