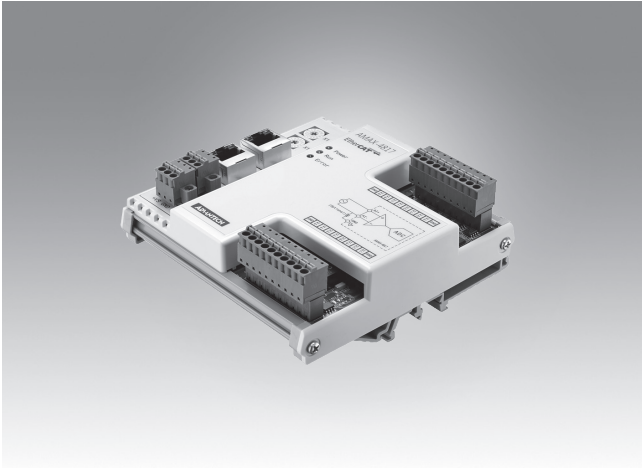


AMAX-4817

AMAX-4820

8-ch, 16-bit Isolated Analog Input EtherCAT Remote I/O Module

4-ch, 16-bit Isolated Analog Output EtherCAT Remote I/O Module



AMAX-4817



Features

- Suitable for EtherCAT networks
- 8-ch, 16-bit analog input channels with 2,500 V_{DC} isolation
- ±275 V high common-mode voltage range
- Quick removable European type connector
- Supports EtherCAT Distributed Clock (DC) mode and SyncManager mode
- Two rotating switches for up to 256 slave IDs

Introduction

The AMAX-4817 is an industrial EtherCAT slave module and equipped with the EtherCAT protocol. Its compact size and DIN rail mount kit install easily in a cabinet. Euro type pluggable terminal blocks help users to maintain and set up their system. All analog input channels are protected by a 2,500 V_{DC} isolation circuit.

Specifications

Communication

- **Interface** EtherCAT
- **Data transfer medium** Ethernet/EtherCAT cable (min. CAT 5), shielded
- **Distance between modules** Max. 100 m (100BASE-TX)
- **Communication Cycle Time** 100µs
- **Data transfer rates** 100 Mbps

Analog Input

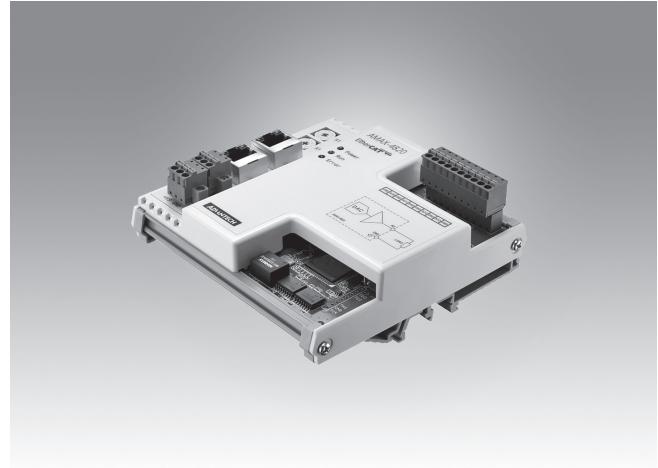
- **Channels** 8
- **Resolution** 16 bits
- **Voltage input range** 0 ~ 10 V, ±10 V
- **Common-mode voltage range** ±275 V
- **Measuring error** < ±0.1%
- **Isolation protection** 2,500 V_{DC}

General

- **Connectors** 10-pin 3.81 mm terminal block * 2 (I/O)
3-pin 3.81 mm screw terminal block (power)
RJ-45 * 2 (EtherCAT)
- **Dimensions** 120 mm x 120 mm x 40 mm
- **Operating temperature** -20 ~ 60°C (32 ~ 140°F)
- **Storage temperature** -40 ~ 70°C (-40 ~ 158°F)
- **Storage humidity** 5 ~ 95% RH (non-condensing)
- **Power supply** 10 ~ 30 V_{DC}
- **Power Consumption** Typical 85mA @24V; Max. 110mA @24V

Ordering Information

- **AMAX-4817-AE** 8-ch, 16-bit isolated analog input EtherCAT remote I/O module
- **96PS-A40WDIN** DIN RAIL A/D 100-240V 40W 24V



AMAX-4820



Features

- Suitable for EtherCAT networks
- 4-ch, 16-bit analog output channels with 2,500 V_{DC} isolation
- Voltage or current output with multiple ranges
- Quick removable European type connector
- Supports EtherCAT Distributed Clock (DC) mode and SyncManager mode
- Two rotating switches for up to 256 slave IDs

Introduction

The AMAX-4820 is an industrial EtherCAT slave module and equipped with the EtherCAT protocol. Its compact size and DIN rail mount kit install easily in a cabinet. Euro type pluggable terminal blocks help users to maintain and set up their system. All analog output channels are protected by a 2,500 V_{DC} isolation circuit.

Specifications

Communication

- **Interface** EtherCAT
- **Data transfer medium** Ethernet/EtherCAT cable (min. CAT 5), shielded
- **Distance between modules** Max. 100 m (100BASE-TX)
- **Communication Cycle Time** 100µs
- **Data transfer rates** 100 Mbps

Analog Output

- **Channels** 4
- **Resolution** 16 bits
- **Voltage output range** 0 ~ 5 V, 0 ~ 10 V, ±5 V, ±10 V
- **Current output range** 0 ~ 20 mA, 4 ~ 20 mA
- **Load** > 1 kΩ (voltage output)
< 625 Ω (current output)
- **Output error** < ±0.1%
- **Isolation protection** 2,500 V_{DC}

General

- **Connectors** 10-pin 3.81 mm terminal block (I/O)
3-pin 3.81 mm screw terminal block (power)
RJ-45 * 2 (EtherCAT)
- **Dimensions** 120 mm x 120 mm x 40 mm
- **Operating temperature** -20 ~ 60°C (32 ~ 140°F)
- **Storage temperature** -40 ~ 70°C (-40 ~ 158°F)
- **Storage humidity** 5 ~ 95% RH (non-condensing)
- **Power supply** 10 ~ 30 V_{DC}
- **Power Consumption** Typical 160mA @24V; Max. 190mA @24V

Ordering Information

- **AMAX-4820-AE** 4-ch, 16-bit isolated analog output EtherCAT remote I/O module
- **96PS-A40WDIN** DIN RAIL A/D 100-240V 40W 24V