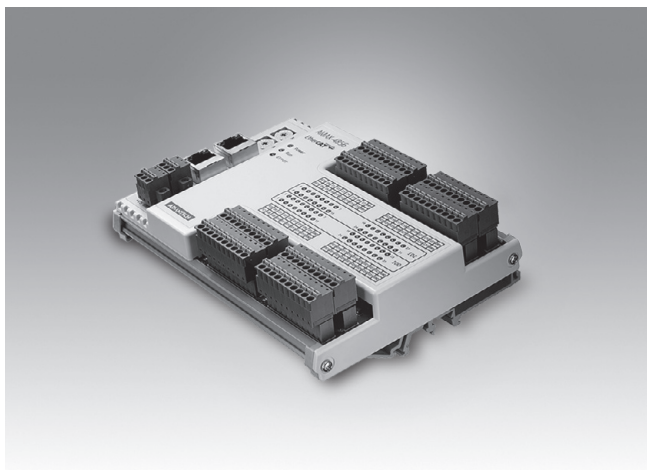# AMAX-4856
AMAX-4862

32-ch Isolated Digital Input and 32-ch Isolated Digital Output EtherCAT Remote I/O Module
16-ch IDI & 16-ch Relay EtherCAT Remote I/O module

AMAX-4856

RoHS COMPLIANT 2002/95/EC C E FCC

AMAX-4862

RoHS COMPLIANT 2002/95/EC C E FCC

Features

- Suitable for EtherCAT networks
- 32-ch digital input and 32-ch digital output with 2,500 VDC isolation
- Wide input voltage range (10 ~ 30 VDC)
- Wide output voltage range (5 ~ 40 VDC) and high output current (350 mA/ch)
- Quick removable European type connector
- LED indicators for I/O status
- Supports EtherCAT Distributed Clock (DC) mode and SyncManager mode
- Two Rotary switches for up to 256 SubDevice IDs

Features

- Suitable for EtherCAT networks
- 16-ch Isolated Digital Input and 16-ch Form A-type Relay Output
- High-voltage isolation on input channel (2,500 VDC)
- Quick removable European type connector
- LED indicators for I/O status
- Supports EtherCAT Distributed Clock (DC) mode and SyncManager mode
- Two Rotary switches for up to 256 SubDevice IDs

Introduction

The AMAX-4856 is an industrial EtherCAT SubDevice module equipped with the EtherCAT protocol. Its compact size and DIN-rail mount kit can install easily in a cabinet. Euro type pluggable terminal blocks and LED indicator help users to maintain and set up their system. All digital input and digital output channels are protected by 2,500 V_{DC} isolation circuits.

Introduction

The AMAX-4862 is an industrial EtherCAT SubDevice module equipped with the EtherCAT protocol. Its compact size and DIN-rail mount kit can install easily in a cabinet. Euro type pluggable terminal blocks and LED indicator help users to maintain and set up their system. All digital input channels are protected by 2,500 V_{DC} isolation circuits.

Specifications

Communication

Interfac	EtherCAT
Data transfer medium	Ethernet/EtherCAT cable (min. CAT 5), shielded
Distance between modules	Max. 100 m (100BASE-TX)
Data transfer rates	100 Mbps
Configuration	Not required
Communication Cycle Time	100us

Digital Input

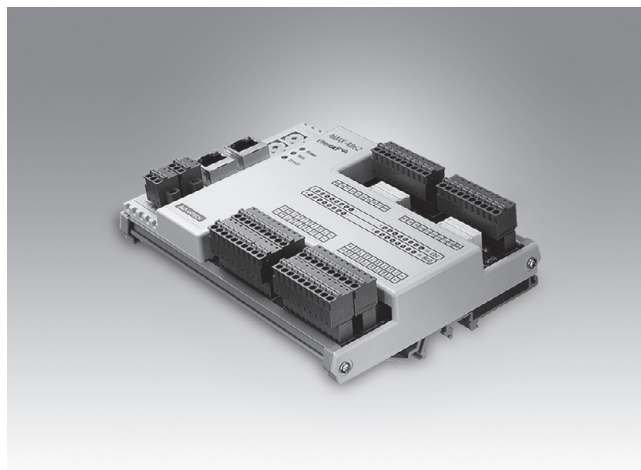|	
Response time	20us
Channels	32
Input voltage	Logic 0: 3 V max.; Logic 1: 10 V min. (30 V max.)
Isolation protection	2,500 V_{DC}

Digital Output

Channels	32
Load voltage	5 ~ 40 V_{DC}
Load current	350mA/ch (sink) @ 25°C; 250mA/ch (sink) @ 60°C
Isolation protection	2,500 V_{DC}
Opto-isolator Response Time	100us

General

Connectors	10-pin 3.81 mm terminal block * 8 (I/O)
	3-pin 3.81 mm screw terminal block (power)
	RJ-45 * 2 (EtherCAT)
Dimensions	168 mm x 120 mm x 40 mm
Operating temperature	-20 ~ 60°C (-4 ~ 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. 130mA @24V

Ordering Information

AMAX-4856-B	32-ch Isolated Digital Input and 32-ch Isolated Digital Output EtherCAT Remote I/O Module
96PSD-A40W24-MM	DIN RAIL A/D 100-240V 40W 24V

Specifications

Communication

Interface	EtherCAT
Data transfer medium	Ethernet/EtherCAT cable (min. CAT 5), shielded
Distance between modules	Max. 100 m (100BASE-TX)
Data transfer rates	100 Mbps
Configuration	Not required
Communication Cycle Time	100us

Digital Input

Response time	20us
Channels	16
Input voltage	Logic 0: 3 V max.; Logic 1: 10 V min. (30 V max.)
Isolation protection	2,500 V_{DC}

Relay Output

Channels	16
Relay Type	Form A
Contact Rating (resistive)	2A @ 250 V_{AC} , 2A @ 30 V_{DC}
Max. Switching Power	500VA , 60W
Max. Switching Voltage	270V AC, 125 V_{DC}
Resistance	30mΩ max.
Operating Time	Max. 10ms
Releasing Time	Max. 5ms
Life Expectancy	Mechanical 2 x 10^7 ops. at no load. Electrical 3 x 10^4 ops. @2A/250V_{AC}

General

Connectors	10-pin 3.81 mm terminal block * 6 (I/O)
	3-pin 3.81 mm screw terminal block (power)
	RJ-45 * 2 (EtherCAT)
Dimensions	168 mm x 120 mm x 40 mm
Operating temperature	-20 ~ 60°C (-4 ~ 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. 130mA @24V

Ordering Information

AMAX-4862-B	16-ch IDI & 16-ch Relay EtherCAT Remote I/O module
96PSD-A40W24-MM	DIN RAIL A/D 100-240V 40W 24V

ADVANTECH **Intelligent Motion Control and Machine Vision**

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Advantech](#):

  [AMAX-4862-B](#)