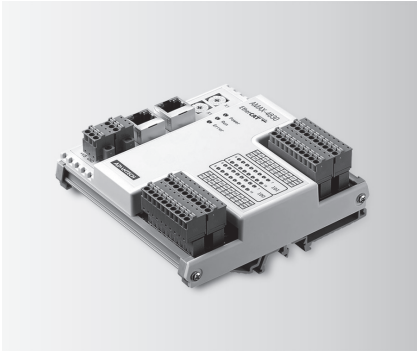# AMAX-4830
AMAX-4833
AMAX-4834
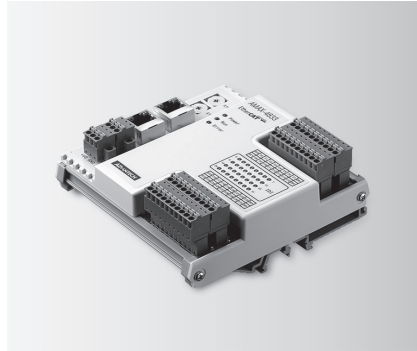
16-ch Isolated Digital Input and 16-ch Isolated Digital Output EtherCAT Remote I/O Module

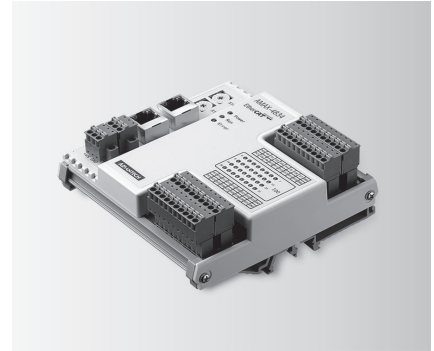**32-ch Isolated Digital Input EtherCAT Remote I/O Module**

32-ch Isolated Digital Output EtherCAT Remote I/O Module

AMAX-4830	AMAX-4833	AMAX-4834

RoHS COMPLIANT 2002/95/EC   CE FCC   CE FCC   CE FCC

Features

- Suitable for EtherCAT networks
- 16-ch digital input and 16-ch digital output with 2,500 V_{DC} isolation
- Wide input voltage range (10 ~ 30 V_{DC})
- Wide output voltage range (5 ~ 40 V_{DC}) 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 slave IDs

Introduction

The AMAX-4830 is an industrial EtherCAT slave 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.

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	200us
Data transfer rates	100 Mbps
Configuration	Not required

Digital Input

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

Digital Output

Channels	16
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 * 4 (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-4830-AE	16-ch isolated digital input and 16-ch isolated digital output EtherCAT remote I/O module
96PSD-A40W24-MM	DIN RAIL A/D 100-240V 40W 24V

Features

- Suitable for EtherCAT networks
- 32-ch digital input with 2,500 V_{DC} isolation
- Wide input voltage range (10 ~ 30 V_{DC})
- 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 slave IDs

Introduction

The AMAX-4833 is an industrial EtherCAT slave 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.

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	200us

Digital Input

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

General

Connectors	10-pin 3.81 mm terminal block * 4 (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-4833-AE	32-ch isolated digital input EtherCAT remote I/O module
96PSD-A40W24-MM	DIN RAIL A/D 100-240V 40W 24V

Features

- Suitable for EtherCAT networks
- 32-ch digital output with 2,500 V_{DC} isolation
- Wide output voltage range (5 ~ 40 V_{DC}) 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 slave IDs

Introduction

The AMAX-4834 is an industria EtherCAT slave 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 output channels are protected by 2,500 V DC isolation.

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	200us

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 * 4 (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-4834-AE	32-ch isolated digital output EtherCAT remote I/O module
96PSD-A40W24-MM	DIN RAIL A/D 100-240V 40W 24V

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