

# AMAX-4830

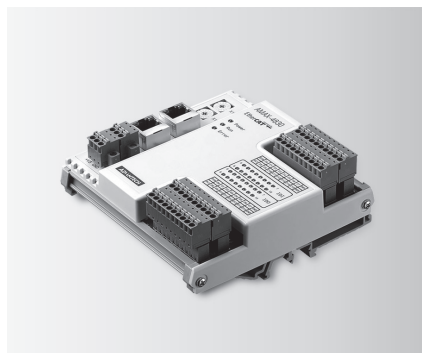
# AMAX-4833

# 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



### Features

- Suitable for EtherCAT networks
- 16-ch digital input and 16-ch digital output with 2,500 V<sub>DC</sub> isolation
- Wide input voltage range (10 ~ 30 V<sub>DC</sub>)
- Wide output voltage range (5 ~ 40 V<sub>DC</sub>) 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

▪ <b>Interface</b>	EtherCAT
▪ <b>Data transfer medium</b>	Ethernet/EtherCAT cable (min. CAT 5), shielded
▪ <b>Distance between modules</b>	Max. 100 m (100BASE-TX)
▪ <b>Communication Cycle Time</b>	200µs
▪ <b>Data transfer rates</b>	100 Mbps
▪ <b>Configuration</b>	Not required

#### Digital Input

▪ <b>Channels</b>	16
▪ <b>Input voltage</b>	Logic 0: 3 V max. Logic 1: 10 V min. (30 V max.)
▪ <b>Isolation protection</b>	2,500 V <sub>DC</sub>

#### Digital Output

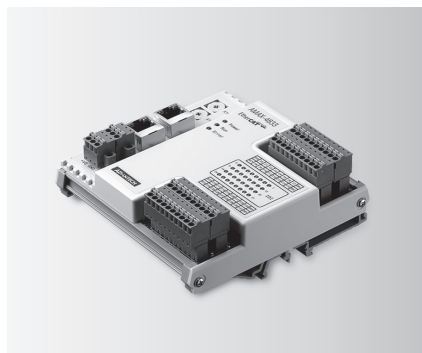
▪ <b>Channels</b>	16
▪ <b>Load voltage</b>	5 ~ 40 V <sub>DC</sub>
▪ <b>Load current</b>	350mA/ch (sink) @ 25°C 250mA/ch (sink) @ 60°C
▪ <b>Isolation protection</b>	2,500 V <sub>DC</sub>
▪ <b>Opto-isolator Response Time</b>	100µs

#### General

▪ <b>Connectors</b>	10-pin 3.81 mm terminal block * 4 (I/O) 3-pin 3.81 mm screw terminal block (power) RJ-45 * 2 (EtherCAT)
▪ <b>Dimensions</b>	120 mm x 120 mm x 40 mm
▪ <b>Operating temperature</b>	-20 ~ 60°C (32 ~ 140°F)
▪ <b>Storage temperature</b>	-40 ~ 70°C (-40 ~ 158°F)
▪ <b>Storage humidity</b>	5 ~ 95% RH (non-condensing)
▪ <b>Power supply</b>	10 ~ 30 V <sub>DC</sub>
▪ <b>Power Consumption</b>	Typical 85mA @24V; Max. 110mA @24V

### Ordering Information

▪ <b>AMAX-4830-AE</b>	16-ch isolated digital input and 16-ch isolated digital output EtherCAT remote I/O module
▪ <b>96PSD-A40W24-MM</b>	DIN RAIL A/D 100-240V 40W 24V



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### Features

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- 32-ch digital input with 2,500 V<sub>DC</sub> isolation
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### Specifications

#### Communication

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#### Digital Input

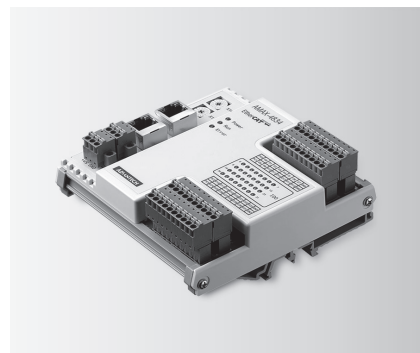
▪ <b>Channels</b>	32
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### Ordering Information

▪ <b>AMAX-4833-AE</b>	32-ch isolated digital input EtherCAT remote I/O module
▪ <b>96PSD-A40W24-MM</b>	DIN RAIL A/D 100-240V 40W 24V



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### Features

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- Quick removable European type connector
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### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9