

AMAX-5070

AMAX-5074

Modbus TCP Coupler with ID Switch Slice IO Module

EtherCAT Coupler with ID Switch Slice IO Module



AMAX-5070



Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P push-in terminal (#24–16 AWG) and 2x RJ45
- **Enclosure** PC
- **Power Consumption** 3W@24V_{DC}
- **Protocol** Modbus TCP
- **Transmission Rate** 100Mbps
- **Distributed Clock** Supported, default inactive
- **LED Indicator** PWR, RUN, Power Diagnosis LED

Power Input

- **Rated Voltage** 24V_{DC} (± 20%)
- **Dual Power Input** Supported
- **Max Current on Bus** 2A
- **Diagnosis Function** Over & under voltage for input 1&2
Over current output on bus

Modbus TCP Coupler

- **Function** Coupling AMAX-5000 EtherCAT IO Module to Modbus/TCP network
- **Cable** Ethernet/EtherCAT cable (min. Cat. 5), shielded
- **Distance Between Stations** Max. 100 m (100BASE-TX)
- **Interface** 2 x RJ45, LAN1: Modbus/TCP, LAN2: Modbus/TCP (default) or Cable Redundancy
- **TCP Connection No.** 16
- **Response Time** 5 ms
- **IO Configuration** Advantech I/O Module Utility

IO Expansion

- **Max IO modules** 256 (excluding AMAX-5079)
- **Group ID* for Modbus** 00–255 (Maximum 20 Groups)
- **Cable Redundancy** Supported

Protection

- **Isolation Voltage** 1500 V_{DC} (LAN port)

Environment

- **Operation Temperature** -25–60°C (vertical mounted)
- **Storage Temperature** -40–85°C
- **Relative Humidity** 95% (non-condense)

Ordering Information

- **AMAX-5070-A** Modbus TCP Coupler with ID Switch Slice IO Module
- **IPS-D22A60W24V-A** D22 DIN RAIL A/D 100–240V 60W 24V
- **PSD-A120W24** DIN Rail AC to DC 100–240V 120W 24V
- **96PSD-A240W24-DF** DIN Rail Power Supply AC to DC 100–240V 240W 24V

Note : Group ID is the ID Switch on AMAX-5074 while configure multi-station IO system after AMAX-5070



AMAX-5074



Specifications

General

- **Certification** CE, FCC class A
- **Connector** Pluggable 4P push-in terminal (#24–16 AWG) and 2x RJ45
- **Enclosure** PC
- **Power Consumption** 2.5W@24V_{DC}
- **Protocol** EtherCAT
- **Transmission Rate** 100Mbps
- **Distributed Clock** Supported, default inactive
- **LED Indicator** PWR, RUN, Power Diagnosis LED

Power Input

- **Rated Voltage** 24V_{DC} (± 20%)
- **Dual Power Input** Supported
- **Max Current on Bus** 2A
- **Diagnosis Function** Over & under voltage for input 1&2
Over current output on bus

EtherCAT Coupler

- **Function** Coupling AMAX-5000 EtherCAT IO modules to 100BASE-TX EtherCAT network
- **Cable** Ethernet/EtherCAT cable (min. Cat. 5), shielded
- **Distance Between Stations** Max. 100 m (100BASE-TX)
- **Number of configurable IDs** 256 (2 x 16-way ID switch)
- **Interface** 2 x RJ45 (1 x Input, 1 x Output)

Protection

- **Isolation Voltage** 1500 V_{DC} (LAN port)

Environment

- **Operation Temperature** -25–60°C (vertical mounted)
- **Storage Temperature** -40–85°C Relative Humidity 95% (non-condense)

Ordering Information

- **AMAX-5074-A2** EtherCAT Coupler with ID Switch Slice IO Module
- **IPS-D22A60W24V-A** D22 DIN RAIL A/D 100–240V 60W 24V
- **PSD-A120W24** DIN Rail AC to DC 100–240V 120W 24V
- **96PSD-A240W24-DF** DIN Rail Power Supply AC to DC 100–240V 240W 24V