

AMAX-2750 Series

32-ch Isolated Digital Input/Output Slave Modules

NEW



AMAX-2752

AMAX-2754

AMAX-2756



Features

- DIN-rail mounting (L x W x H): 125 x 47.6 x 156 mm
- Max. 20 Mbps transfer rate
- Onboard terminal for direct wiring
- Easy installation with RJ45 phone jack and LED diagnostic
- LED indicator for each IO channel (Switch by SW4)
- Selection of I/O-channel configuration (32 DI, 32 DO or 16/16 DI/O)
- 2500 Vrms Isolation voltage

Introduction

The AMAX-2750 Series consists of digital slave modules for AMONet™ RS-485 that extend the digital I/O capacity. All the DIO slave extension modules are connected serially with a simple Cat.5 cable. This reduces wiring between driver and controller and is very suitable for highly integrated machine automation applications. High speed, scalability and cost-effectiveness ensures a solid solution for machine builders.

There are 3 main types of DI/O slave modules, 32In, 32Out, and 16In/16Out. With these slave modules, you can connect actuators/sensors directly with minimum hassle. You can access I/O points nearby or 100 meters away using simple and low-cost wiring, and the high speed of AMONet RS-485 makes it possible to scan 2048 IO channels in 1.04 ms.

Specifications

Isolated Digital Input

- **Channels** AMAX-2752: 32, AMAX-2756: 16
- **Input Type** Dry contact
- **Isolation Protection** 2,500 V_{RMS}
- **Opto-Isolator Response** 18 μs
- **Input Resistance** 1 kΩ @ 0.5 W

Isolated Digital Output

- **Channels** AMAX-2754: 32 (4 ports), AMAX-2756: 16 (2 ports)
- **Output Type** Sink (NPN) (open collector Darlington transistors)
- **Isolation Protection** 2,500 V_{RMS}
- **Output Voltage** 5 ~ 30 V_{DC}
- **Sink Current** 1CH: 500 mA (1 port)
8CH: 150 mA (1 port)

General

- **Bus Type** AMONet RS-485
- **Certifications** CE
- **Connectors** 2 x RJ45, 2 x 40-pin wiring terminal
- **Dimensions (L x W x H)** 126 x 46 x 162 mm
- **Power Consumption** Typical: 1 W
- **Power Supply** 10 ~ 30 V_{DC}
- **Power Supply for DIO** 10 ~ 30 V_{DC} (Current < 2A)
- **Humidity** 5 ~ 95% RH, non-condensing (IEC 68-2-3)
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)

Ordering Information

- **AMAX-2752** 32-ch Isolated Digital Input Slave Module
- **AMAX-2754** 32-ch Isolated Digital Output Slave Module
- **AMAX-2756** 16/16-ch Isolated Digital Input/Output Slave Module