

# AMAX-1752 AMAX-1754 AMAX-1756

## Open Frame Type 32-ch Isolated Digital Input/Output Slave Modules

NEW



AMAX-1752

AMAX-1754

AMAX-1756



### Features

- Communication baud rate, 2.5Mbps, 5Mbps, 10Mbps and 20Mbps are supported and switchable
- Onboard screw terminal for direct wiring
- 2,500 VRMS Isolation voltage
- Suitable for DIN-rail mounting
- BoardID is switchable
- Easily visible LED indicators on board to do diagnosis

### Introduction

The AMAX-1752, AMAX-1754 and AMAX-1756 are compact open frame designs for horizontal placement, on-board screw terminal for direct wiring and on-board easily-visible LED indicators are for system diagnosis. All the digital I/O slave modules could be connected and distributed by standard LAN cables thereby saving wiring costs and maintenance. Three models are introduced: 32-ch digital input (AMAX-1752), 32-ch digital output (AMAX-1754) and 16-ch digital input/output (AMAX-1756). According to maximum communication baud rate, 2048 I/O points can be scanned and updated within 1.04 ms.

### Specifications

#### Isolated Digital Input

- **Channels** AMAX-1752: 32  
AMAX-1756: 16
- **Input Type** Dry contact
- **Isolation Protection** 2,500 V<sub>RMS</sub>
- **Opto-Isolator Response** 100 μs (max.)
- **Input Resistance** 3.2kΩ

#### Isolated Digital Output

- **Channels** AMAX-1754: 32  
AMAX-1756: 16
- **Output Type** Sink (NPN) (open collector Darlington transistors)
- **Isolation Protection** 2,500 V<sub>RMS</sub>
- **Output Voltage** 10 ~ 30 V<sub>DC</sub>
- **Sink Current** 1 ch: 500 mA (1 port)

#### General

- **Bus Type** AMONet RS-485
- **Certification** CE, FCC Class A
- **Connectors** (1) RJ-45 x 2 are for communication port  
(2) I/O points use screw terminal type connector
- **Dimensions** 141 x 95 x 60 mm (5.6" x 3.7" x 2.4")
- **Power Consumption** 600mW typical, 2 W max.
- **Power Input** 24 V<sub>DC</sub> within 200 mA ripple
- **Power Supply for DIO** 10 ~ 30 V<sub>DC</sub> (2A max)
- **Humidity** 5 ~ 95% RH, non-condensing (IEC 60068-2-3)
- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)

### Ordering Information

- **AMAX-1752-AE** Open Frame Type 32-ch Isolated Digital Input AMONet Module
- **AMAX-1754-AE** Open Frame Type 32-ch Isolated Digital Output AMONet Module
- **AMAX-1756-AE** Open Frame Type 16/16-ch Isolated Digital I/O AMONet Module