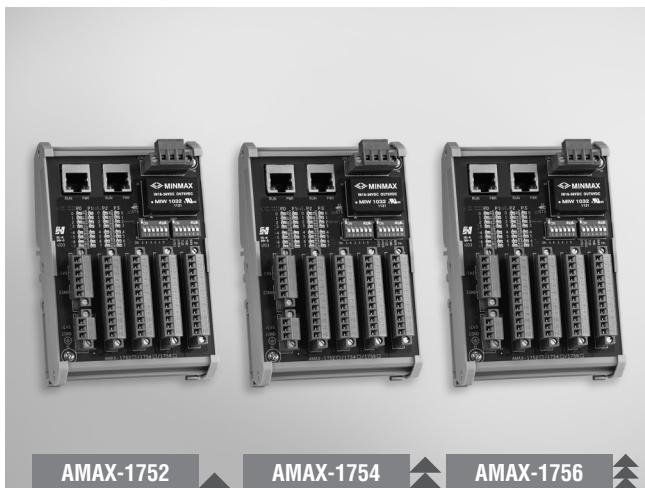


AMAX-1752

AMAX-1754

AMAX-1756

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



AMAX-1752

AMAX-1754

AMAX-1756



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 _{RMS}
▪ 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 _{RMS}
▪ Output Voltage	10 ~ 30 V _{DC}
▪ Sink Current	1 ch: 500 mA (1 port)

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

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 _{DC} within 200 mA ripple
▪ Power Supply for DIO	10 ~ 30 V _{DC} (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

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