



## Features

- 32-ch DC Solid-State Relays
- 1Amp @12-30VDC, 2Amp Pulse
- TCP/IP or UDP Controlled
- DHCP or Static Address Operation
- Built-in Web Page for a simple Set-up
- RS-232 Expansion Port
- Small Footprint
- DIN-Rail Mounting ready

## Introduction

The IA-3121-E is an Industrial 32-ch Solid-State Relay module, Ethernet IP Controlled, with an RS-232 expansion port, allowing non-IP controllers to be chained and controlled while sharing the same IA-3121-E IP Address.

The Solid-State Relays are capable of handling DC Powered Loads in a Voltage range of 12 to 30VDC, Sinking a current of up to 1Amp per channel.

AC Load is NOT supported. The main advantage of Solid-State Relays is incomparable Long Operation Life, Fast Respond, Silent Operation and best fitting Inductive Loads.

The IA-3121-E may be referred to as a High Power 32-ch Digital Output Module, with an Open-Drain Output Stage and an output current capability of up to 1Amp on each channel.

It has a small footprint, 136x147mm, and it may be easily DIN-Rail Mounted. Screw mounting kind is possible as well.

## Specifications

### Solid-State Relays (SSR)

|                    |                                      |
|--------------------|--------------------------------------|
| Channels           | 32                                   |
| Stage Type         | Open Drain N-ch                      |
| Load Voltage Range | 12 to 30VDC                          |
| Load Current       | 1Amp Continuous<br>2Amp @ 1Sec @ 20% |
| Total Current      | 20Amp                                |

### Communication - Ethernet

|                      |  |
|----------------------|--|
| LAN                  | 10/100 Base-T                          |
| Default IP           | 10.1.1.22                              |
| Default Port         | 23                                     |
| Baud Rate Range      | 1200-115200 bps                        |
| Default BR           | 19200                                  |
| Expansion Port Setup | RS-232, DB9 male<br>19200, 8 bit, N, 1 |

### General

|                      |               |
|----------------------|---------------|
| Power Supply Voltage | 24VDC         |
| Current Consumption  | 0.3Amp        |
| Module Size          | 135x115x45 mm |
| Weight               | 220gr         |

## Ordering Information

|                  |  |
|------------------|--|
| <b>IA-3121-E</b> | 32-ch Solid-State Relay module, Ethernet IP Controlled, RJ45 Cable included. |
| <b>IA-3121-2</b> | 32-ch Solid-State Relay module, RS-232 Controlled, DB9 M/F Cable included.   |