# IA-2668-E

Ethernet I/O
48 Solid-State Relays
48 Wide range Digital Inputs

**Intelligent Appliance**
*For Smart Solutions...*

## Introduction

The IA-2668-E is an Ethernet Digital I/O Controller with 48-ch wide range Digital Inputs and 48-ch AC/DC Solid-State Isolated Relays that can handle up to 400mA @ 25℃.

The IA-2668-E is capable of handling both Positive and Negative Logic Input signals, while the input pull-ups might be switched to either Positive or GND supply line, in order to best fit the attached devices. Input protection circuits enable secure operation on wide voltage range of over +/- 30Volts.

The IA-2668-E internal circuits may be operated by 5V, 3.3V or 2.5V supply voltage, version dependent, in order to fit attached "under test" units.

The on board Pluggable Screw Terminal blocks includes 8 signal bits each, providing an easy wiring, easy rewiring, easy interchanging and most efficient space management without the need for additional wiring boards.

The IA-2668-E software support package includes Visual Studio & Labview Drivers, open source examples and software utilities for fast system integration.

## Features

- Ethernet TCP/IP I/O Module
- 48-ch Isolated Solid-State Relays
- 48-ch Wide range Digital Inputs
- LVTTL to 30VDC Digital Input Range
- 5V/3.3V/2.5V Selectable operation Voltage
- Selectable Pull-up Power source
- Selectable Input Logic
- "Dry-Contact" support
- Onboard watchdog protection
- High noise immunity
- Pluggable Terminal blocks
- Din-Rail mounting ready

## Specifications

**Communication Port**

| | |
|---|---|
| Method | Ethernet |
| | 10/100 base-T |
| | DHCP/Static IP modes |
| | Webpage/AT CMD Config. |

**Relays**

| | | |
|---|---|---|
| Channels | 48 | |
| Rated Current | 0.4 Amp | *  no suffix |
| | 1.0 Amp | *  -1A suffix |
| Rated Voltage | 60 Volt peak | |

**Digital Inputs**

| | | |
|---|---|---|
| Channels | 48 | |
| Input Voltage Range | 0 - 30VDC | |
| Logic circuit supply | 2.5V/ 3.3V / 5V | ** |
| Pull-up Source | 2.5V/ 3.3V / 5V / GND | ** |
| Pull-up Resistor | 22K OHM | |

**General**

| | |
|---|---|
| Supply Voltage | 10-30VDC |
| Supply Current | 0.3Amp @ 24VDC |
| Module Size | 170x115x45 mm |
| Weight | 300gr |

### Ordering Information

| | |
|---|---|
| **IA-2668-E** | 96-ch I/O Ethernet 10/100Base-T 48 Digital In, 48-ch AC/DC Solid-State Relay |
| **IA-2662-EN** | 96-ch Digital I/O TCP/IP , -300mA , Sink |
| **IA-2662-ET** | 96-ch Digital I/O TCP/IP , TTL Output. |

** Product version depended

CE  FC  RoHS COMPLIANT