IA-3125-U2i

48-ch Digital I/O
Positive **C**urrent **O**utput
Isolated USB or RS-232 Controlled

Intelligent Appliance
For Smart Solutions...

Features

- 48-ch Digital I/O
- Positive Logic I/O
- Optional Negative Input Setting
- 0.7 Amp Output Capability, each channel
- Over-Current Protection , each channel
- 3.3 to 30VDC Positive Input range
- Support “Dry-Contact” Inputs.
- Isolated USB Port protects the PC
- Dual Watchdog Protection
- Open Source software Examples
- Built-in Multi-Drop facility
- DIN-Rail Mounting ready

Introduction

The IA-3125-U2i is an 48 channels Positive Logic Digital I/O board with 24 Solid-State Output channels that are capable of Driving 0.7 Amps per channel.

This board includes a refreshing Positive Logic both on its inputs and outputs, while its Digital Inputs might be set to Negative Logic, at Groups of 8, in order to handle ordinary NPN Sensors.

Moreover, each output channel has an Over Current Protection circuit, to avoid a Solid-State Relay damage due to a wiring mistake or a defective load.

The IA-3125-U2i includes an Isolated USB port that Isolates the PC from the “Factory Floor” or the controlled Machine or the long wiring lines that might cause a PC freezing phenomenon.

The Software Support package includes DOT.net Driver, Open Source Examples and immediate Control Utilities.

Ordering Information

IA-3125-U2i	48-ch Power Digital I/O Controller, USB Cable included.

Specifications

Solid-State Relay - Digital Outputs

Channels	24
Output Voltage	+12 to +30VDC Per Board’s Power Source
Rated Output Current	0.7 Amp
Current Limit	1.1 Amp Max
Load Handled	Resistive, Capacitive, Inductive
Output Circuit	Open Drain

Digital Inputs

Channels	24
Logic '0'	0 to 1VDC
Logic '1'	3.3 to 30VDC
Logic	Positive, Default Negative, may be set to

Communication

Main COM Port	Isolated USB
Secondary Port	RS-232, DB9 Female
COM Rate	1200 to 115Kbps
Default BR	19200Kbps
COM Setup	8bit, n, 1
Expansion Port	RS-232, DB9 male
Host Wiring	USB A/B (included)
Expansion Wiring	DB9 M/F, pin-to-pin

General

Power Source	12 to 30VDC
Power Consumption	0.3 to 20Amp Load Depended
Module Size	182x115x45 mm
Weight	280gr