IA-3124-U2i

48-ch Digital I/O
Isolated USB or RS-232 Controlled
IA Series-3000 Daisy-Chain

ĩA Intelligent Appliance
For Smart Solutions...

Features

- 48-ch Digital I/O
- 24-ch Solid-State Relays
- Functions as Power Digital Outputs
- With Output Current rating of 1Amp
- 24-ch Digital Inputs
- 3.3V to 30V Input Range
- Supports wet and "Dry-Contact"
- Isolated USB Port for Host Isolation
- Dual Watchdog Protection
- Inductive Load Protection on each output
- Din-Rail Mounting Ready

Introduction

The IA-3124-U2i is a 48-ch Digital I/O Industrial Controller with a Sink Current of up to 1Amp on each output channel and an input voltage range of up to 30VDC.

This Power Digital I/O Controller is an ideal Solenoid/Valve/LED controller with the fastest response time and endless operation cycles while comparing to original relay kind solution.

The IA-3124-U2i includes an Isolated USB Port that isolates the Host Computer from the IA-3124-U2i I/O lines and from its power supply. In this way the Host Computer is actually isolated from the Factory Floor, the Building wiring net etc., while the IA-3000 Series product may be transparently chained, sharing the same Power-Supply, providing latency free efficient Monitor and Control System.

Specifications

Digital Output
Channels	24
Maximum Current	1Amp Sink
Voltage Range	10 to 30VDC
Output Circuit	Open Drain

Digital Inputs
Channels	24
Voltage Range	"Dry-Contact", 0 to 30VDC
Logic '0'	0 to 1VDC
Logic '1'	3.3 to 30VDC

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
	3 wires, pin 2, 3, 5

General
Power Supply	10 to 30VDC
Power Consumption	0.3Amp
Load Current	Up to 1Amp per Channel
Module Size	182x115x45 mm
Weight	280gr

Ordering Information

IA-3124-U2i	48-ch Power Digital I/O Controller, USB Cable included.