

IA-3112-U2i-P

32-ch Solid-State Relay
32-ch Isolated Digital Inputs
USB or RS-232 Controlled

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



Introduction

The IA-3112-U2i is reliable Relay Board controller, CE and FCC approved and ROHS compliant. This industrial grade module is being controlled by an isolated USB port, keeping the factory floor EMI/RFI noise away from the host computer.

The IA-3112-U2i includes 64 Isolated I/O channels. 32 Positive going output channels, rated at 2 Amp @ 32 VDC and 32 Digital Inputs that are divided into four Isolated Groups.

The Solid-State output ensures endless operation cycles, better power efficiency and excellent environment, shock and vibration resistance.

The Isolated Digital Inputs support “Dry-Contact”, “Wet-Contact” and combined operation.

All Intelligent-Appliance products are supported by Labview and Visual-Studio drivers, Software utilities and software examples for fast system integration.

Ordering Information

IA-3111-U2i-P	64-ch Isolated Digital Inputs USB and RS-232 Controlled Pluggable Terminal Block
IA-3112-U2i-P	32-ch Isolated Digital Inputs 32-ch Solid-State Relays USB and RS-232 Controlled Pluggable Terminal Block
IA-3113-U2i-P	64-ch Solid-State Relays USB and RS-232 Controlled Pluggable Terminal Block

Features

- Isolated USB Port
- 32-ch DC Source Solid-State Outputs
- Positive 2 Amp @ 30VDC
- 32-ch Isolated Digital Input
- Divided into 4 Isolated Groups
- “Dry-Contact”/“Wet-Contact” inputs
- Dual Watchdog Protection
- Simply transparently chained
- DIN-Rail/Wall mount ready
- Pluggable Terminal Blocks
- Dot.net & Labview Drivers

Specifications

Relays

Channels	32
Contact Rating	2 Amp @ 30 VDC
Output Component	P-ch MOS
Power Source	Isolated 10-32 VDC

Isolated Digital Inputs

Channels	32
Operation Method	“Dry-Contact”/“Wet-Contact”
Input Voltage Range	0 to 32 Volt DC
Group arrange	4 Isolated Groups

Control Port

Main COM	Isolated USB
Secondary Main Port	RS-232, DB9 Female
Expansion Port	Buffered RS-232, DB9 Male
Factory Defaults	BR 19.2 Kbps
	Data bits 8 bit
	Parity None
	Stop bits 1
Baud Rate Range	1200-115Kbps
Host USB Cable	USB A/B, included
Chaining Cable	DB9 M/F Direct Pinout

General

Main Power Supply	10-32 VDC, 0.4 Amp
Load Power Supply	10-32 VDC, 64 Amp
Load PS Feature	Isolated
Module Size	265x115x45 mm
Weight	430gr
Terminal Blocks	Pluggable