

# IA-3131-U2i

32-ch, 5Amp Relay  
USB & RS-232 Controlled  
IA easily Chained Series



## Features

- USB & RS-232 Controlled
- 32 Relays
- 5A @ 30VDC, 5A @ 250VAC
- Voltage Suppressors on all relay Channels – on 'P' suffix only
- Isolated USB Port
- Highly Featured Command List
- Local and Global Commands
- Open Source code Examples
- Setup & Operation Utilities
- Visual-Studio & Labview Drivers
- Watchdog Protection
- CE & FCC Approved ROHS compliant
- Pluggable Connectors, (included)
- Simple Transparent Chaining
- DIN-Rail mounting ready

## Introduction

The IA-3131-U2i(-P) is an Industrial, 32-ch, Relay Controller Board with pluggable industrial terminal Blocks and Voltage Protectors on all relay channels (P suffix).

These boards are supported by a rich Series-3000 commands list, including single, eight and 32 relays control commands, as well as several boards global control commands, that can set the status of hundreds relay units at the same time.

The IA-3131-U2i(-P) includes a buffered output port communication method, enabling a simple and a transparent control over Tenths of boards of several kind.

The IA-3131-U2i(-P) Software Support package includes USB software drivers, open source code Examples, setup and operation utilities, as well as Visual Studio and Labview Drivers for fast and easy product implementation.

## Specifications

### Relays

Channels	<b>32</b>
Contact method	SPST, A form
Contact current	5Amp@30VDC 5Amp@250VAC
Operation time	8mS
Release time	5mS
Mechanical Endurance	1x10 <sup>7</sup>
Electrical Endurance	1x10 <sup>5</sup> 5A @ 250VAC 5x10 <sup>5</sup> 2A @ 125VAC

### Communication

Main COM	USB and RS-232
Baud Rate Range	1200-115Kbps
Default BR	19200bps
Default Configuration	8, N, 1, None
Expansion Port	DB9 Male
Host/Module Cable	USB A/B (included)
Between Modules Cable	M/F DB9 Cable

### General

Supply Voltage	24VDC, 0.7Amp 12VDC 1.4Amp
Module Size	220x135x45 mm
Weight	560gr

## Ordering Information

IA-3131-U2i-P	32-ch Relay & <b>Voltage Suppressors</b> USB & RS-232 Controlled 24VDC <b>Industrial Pluggable Connectors</b>
IA-3131-U2i	32-ch Relay USB and RS-232 Controlled 24VDC
IA-3131-2	32-ch Relay RS-232 24VDC
-12VDC suffix	12VDC Supply Voltage

