

# IA-3131-U2i

32 channels, Daisy-Chain  
TCP/IP Relay Controller



## Features

- Pluggable connectors Version
- USB & RS-232 Controlled
- 32 SPST Relays
- 2A @ 30VDC, 1A @ 125VAC
- Isolated USB Port
- Highly Featured Command List
- Local and Global Commands
- Open Source Code Samples
- Setup & Operation Utilities
- Watchdog Protection
- Simple Transparent Chaining
- DIN-Rail mounting ready

## Introduction

The IA-3131-U2i is an Industrial, 32-ch, Relay Controller Board with either standard or pluggable industrial terminals. The board is supported by the rich Series-3000 commands list, with single, eight and 32 relays control commands, as well as several boards global control commands, that can set the status of several hundred relay at the same time. The IA-3131-U2i Relay Controller supports a Daisy-Chain operation. It includes a buffered output port communication method, enabling a simple and a transparent control over a massive amount of boards. The IA-3131-U2i is being widely supported by Microsoft Studio Class Library, National-Instruments Labview Drivers and by various open code software examples for fast and easy product implementation.

## Ordering Information

<b>IA-3131-U2i:</b>	32-ch Relay, <b>USB or RS-232 Controlled, 24VDC.</b>
<b>IA-3131-E:</b>	32-ch Relay, <b>TCP/IP , 24VDC.</b>
<b>IA-3131-XXX-sP</b>	Pluggable Protected version

## Specifications

### Relays

Channels	32
Contact current	2 Amp @ 30 VDC 1 Amp @ 125 VAC
Contact method	SPST, form A
Operation Time	7mS
Release Time	4mS
Mechanical Endurance	1x10 <sup>8</sup>
2A@30VDC Endurance	1x10 <sup>5</sup>
1A@30VDC Endurance	3x10 <sup>5</sup>

### Communication

Main COM	Isolated USB or RS-232, DB9
Expansion Port	Buffered RS-232, DB9 Male
Factory Defaults	Baud Rate 19.2bps
	Data bits 8
	Parity None
	Stop bits 1
Baud Rate Range	1200-115Kbps

### General

Power supply	24VDC, 0.6Amp
Module Size	220x115x45 mm
Mounting	Din-Rail Ready
Weight	485 gr