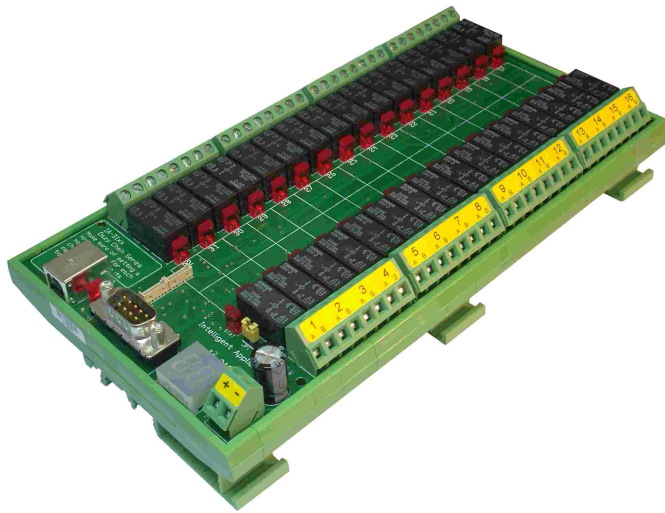


IA-3131-U

32 Relays
USB Controlled
IA Daisy-Chain Series



Features

- 32 Relays
- 2A @ 30VDC, 1A @ 125VAC
- Max. Switching of 240VAC
- Simple operation
- Open Source Code Samples
- Immediate Operation Utilities
- High Featured Command List
- Local and Global Commands
- Watchdog Protection, Onboard
- 256 Modules per a Single Port
- IA Daisy-chain series, compatible
- Pluggable Connectors, Optional
- DIN-Rail Mounting Ready

Introduction

The IA-3131-U is an Industrial 32 Relays Controller board, a significant member of the Intelligent-Appliance IA-3000 Series. This 32-ch USB Relay Board includes high quality relays with a contact rating of 2 Amp @ 30VDC, 1Amp @ 125VAC and a maximum switching voltage of 240VAC.

Controlling the IA-3131-U is a most simple and joyful task. The software support package includes most featured commands as well as testing and Operation Utilities.

The IA-3131-U, USB Relay Controller Board, is based on a most reliable USB Port, Implemented as a Virtual COM Port, granting the simplest adapting method, for both present and future Operation Systems, as no code change is needed.

Update USB Drivers are and will always be available, online.

The IA-3131 Module's Address as well as all relays' states may be easily defined by software, while their status can be monitored both by software and by onboard indicators.

Up to 256 IA-3131 modules, or any mix of Intelligent-Appliance modules may be easily controlled by a host computer through a single PC Port , as each Module includes an additional RS-232 COM Port for easy and trustable chaining.

Ordering Information:

- **IA-3131-U:**
32 Relays, USB Controlled, IA Daisy-Chain Series compatible.
- **IA-3131P-U:**
32 Relays, USB Controlled, IA Daisy-Chain Series compatible
Pluggable Connectors Version.

Specifications

32 Relays

Contact current:	2Amp @ 30VDC 1Amp @ 125VAC
Max. Switching:	240VAC, 220VDC
Operation Time:	7mS
Release Time:	4mS
Mechanical Endurance:	1x10 ⁸
2A@30VDC Endurance:	1x10 ⁵
1A@30VDC Endurance:	3x10 ⁵
Contact method:	SPST, A form

Communication

Main COM method:	USB
Expansion Method:	RS-232
COM Rate:	1200-115200 bps
Unchained Rate:	1200-230400 bps
Default BR:	19200
Main Connector:	USB type A
Chain Connector:	DB9 Male
Host/Module cable:	USB A to B
Module/Module:	DB9 M/F pin-to-pin 3 wires, pin 2,3 and 5 up to 15m long

General

Power Supply:	24VDC, 0.5Amp
Module Size:	260X110X45mm
Weight:	550gr

