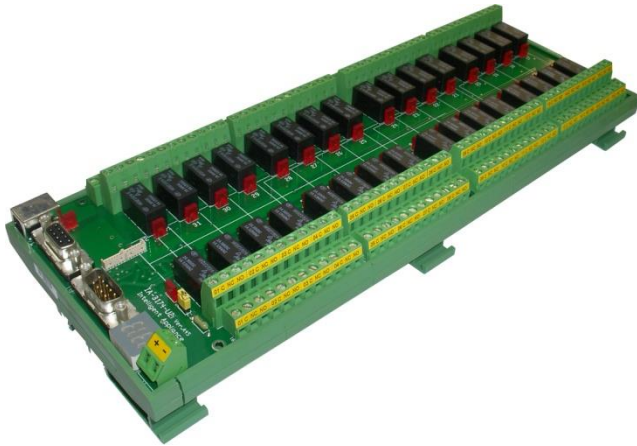


# IA-3174-U2i

32-ch DPDT Relay  
USB or RS-232 Controlled  
IA Daisy-Chain Series

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



## Introduction

The IA-3174-U2i is an Industrial Relay Controller Board that includes 32 DPDT relays with a complete 6 contact support on each of them, featuring a wide range of wiring combinations, including differential and dual differential multiplexing.

The board is supported by the rich Series-3000 commands list, with two new additional commands, for a smart single and twin relay operation, with an on board "Break-before-Make" facility.

The IA-3174-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-3174-U2i Software Support package includes USB software drivers, open source code samples as well as setup and configuration utilities for fast product implementation

<b>IA-3174-U2i</b>	32-ch, 2Amp DPDT Relay, <b>USB or RS-232</b> Controlled Module, USB Cable included, <b>24VDC</b> .
<b>IA-3174-2</b>	32-ch, 2Amp DPDT Relay, <b>RS-232</b> Controlled Module, DB9 MF Cable included, <b>24VDC</b> .
<b>IA-3174-XXX/12*</b>	<b>12VDC</b> Version.
<b>IA-3174-XXX-P</b>	<b>Pluggable</b> Version

## Features

- Simple operation
- 6 Lines wired, DPDT
- 2Amp@30VDC, 0.5@ 15VAC
- 1, 2, 8, 32 Relays control commands
- Thousands relays global commands
- High speed communication
- Bundled software utilities
- Open source examples
- Daisy-chain enabled
- Built-in watchdog
- DIN rail mounting ready

## Specifications

### 32 Relays

Contact current	2Amp@30VDC
Contact method	DPDT, 6 wired contact

### Communication

Main COM	USB or RS-232
Expansion COM	RS-232
Default BR	19200bps
COM Rate	1200-115Kbps
COM Input	USB or DB9 Female
COM Output	DB9 Male

### Wiring

Host/Module Cable	USB or DB9 M/F pin-to-pin
Module/Module Cable	DB9 M/F pin-to-pin
	Up to 15m between each module.

### General

Supply Voltage Range	21.6-30VDC
Current Consumption	0.7Amp@24VDC 0.4Amp@12VDC *
Module Size	305x115x45 mm
Weight	570gr
Operation temp. range	0~60°C
Storage Temperature	-20 ~ 70°C
Storage Humidity	5 ~ 95 % RH, non-condensing

All modules are Multi-Drop Expandable

