IA-3171-U2i-P

64 channels,
Power Relay Controller
USB & RS-232 Controlled

iA Intelligent Appliance
For Smart Solutions...

Features

- 64-ch Relay Board
- 7Amp @ 277VAC per Channel
- Short & Easy Group Wiring
- Built in Buffered Local Expansion
- Thousands of Relays may be operated by a single communication port
- Synchronized Multi-Board operation
- Built-in Second Watchdog for system protection
- Isolated USB port for best Host Isolation
- Up to BR 230K for fast communication
- Series-3000 Software Compatibility
- CE & FCC Approved, ROHS compatible
- Pluggable
- DIN-Rail/Panel mounting ready

Introduction

The IA-3171-U2i-P is an Industrial Grade USB and RS-232 Relay Controller, CE and FCC approved, ROHS compliant.
This reliable module is designed to operate on the Factory Floor in a harsh, noisy, EMI/RFI Environment.

The USB port is Optically Isolated, to ensure the Host Computer Isolation from the Factory Floor.

The IA-3171-U2i-P includes 64 High Voltage Relays that are structured as 8 Groups of 8 Relays each, without any connection between the relays.
For a bussed relay solution kindly refer to the IA-3172-U2i relay controller.

Each relay is protected by a Voltage Suppressor device, keeping low RFI noise and prolongs relays life.

A built-in buffered Local expansion facility enables the operation of thousands of relays via a single communication port, supported by Global and Synchronizing commands.

The controller default BR is 19200, while supporting up to BR 115200 on multi-drop operation.

Software drivers, Open Source code examples, configuration and operation utilities help a fast and easy product implementation.

Specifications

Relays

Channels	64
Type	SPST
Contact Rating	UL: 7Amp @ 277VAC
	VDE: 7Amp @ 250VAC
	7Amp @ 30VDC
Dialectric Strength	4000VAC
Mechanical Endur.	5 x 10^6
Contact Protection	Voltage Suppressors

Communication

USB Type

USB Type	2.0
Isolation Level	3750 Volts RMS
Max BR	230400
Default BR	19200

RS-232 Type	C
Max BR	115200
Default BR	19200
Daisy-Chain	Built-In

General

Power Supply	0.5Amp @ 24VDC
Module Size	335x135x35 mm
Weight	700gr

Ordering Information

- **IA-3172-U2i-P**, 64-ch Relay Board, USB & RS-232 , 24VDC. USB 1m cable includded