

IA-3172-U2i-P

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

IA Intelligent Appliance
For Smart Solutions...



Introduction

The IA-3172-U2i-P is an Industrial Grade USB & RS-232 Relay Controller, CE and FCC approved, ROHS compliant, most reliable module designed to operate on factory floor in harsh noisy EMI/RFI Environment.

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

The IA-3172-U2i-P includes 64 High Voltage Relays that are structured as 8 Groups of 8 Relays each, providing an improved, short and easy wiring system.

Each relay is protected by a special Voltage Suppressor device, keeping low RFI noise and long operation time.

A built-in buffered Local expansion facility enables an operation of thousands relays by a single communication line, while being supported by Global and Synchronizing commands.

The controller default BR is 19200, while supporting up to BR 115200 on its RS-232 ports and up to 230400 on its USB port.

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

Features

- 64-ch Relay Board
- 7Amp @ 277VAC per Channel
- Short & Easy Group Wiring
- Removable Connectors, Included
- 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 230400 for fast communication
- Series-3000 Software Compatibility
- DIN-Rail mounting ready

Specifications

Relays

| | |
|----------------------------|---------------------------------------------------------|
| Channels | 64 |
| Type | SPST |
| Contact Rating | UL: 7Amp @ 277VAC VDE: 7Amp @ 250VAC 7Amp @ 30VDC |
| Contact Protection | Voltage Suppressor |
| Total Group Current | 40 Amp |

Communication

| | |
|-----------------|----------------|
| USB Type | 2.0 - Isolated |
| Max BR | 230400 |
| Default BR | 19200 |

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

General

| | |
|--------------|---------------|
| Power Supply | 24VDC 0.5Amp |
| Module Size | 340x155x49 mm |
| Weight | 750gr |

Ordering Information

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