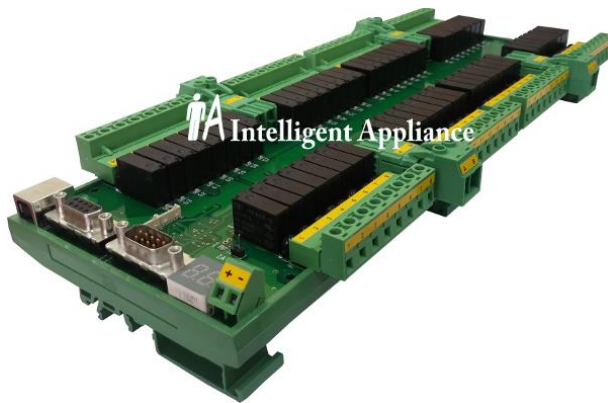# IA-3172-U2i-P

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

Intelligent Appliance
For Smart Solutions...

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

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.

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 channels, Pluggable Relay Controller USB & RS-232 Controlled – Grouped and Bussed
IA-3171-U2i-P	64 channels, Pluggable Relay Controller USB & RS-232 Controlled – Independently wired