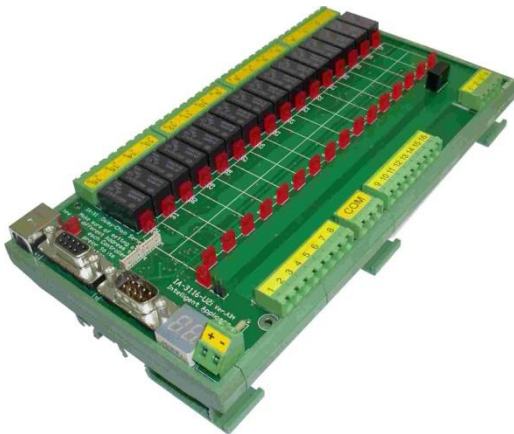


IA-3116-U2i-P

16-ch Relay, 5Amp
16-ch Isolated Digital Inputs
USB or RS-232 Controlled

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



Introduction

The IA-3116-U2i is reliable Relay Board controller, CE and FCC approved. This industrial grade module is being controlled by an isolated USB port, keeping the factory floor EMI/RFI noise out, while providing a better ground loop protection.

The IA-3116U2i includes 16 SPST/SPDT Relays, 16 Isolated Digital Inputs, extra high speed RS-232 ports for an easy transparent system expansion, as well as PC Status and Communication performance testing circuits.

The Isolated Digital Inputs support “Dry-Contact” inputs, Negative Logic inputs as well as positive signals, without the need for any extra settings.

The IA-3116-U2i software support package includes Setup, Configuration and Operation utilities, .Net Library and Open Source code samples for test and easy system integration.

Ordering Information

| | |
|---------------------|--|
| IA-3116-U2i-P | 16-Ch Relay 5Amp , 16-Ch Isolated Digital Inputs, USB or RS-232 Controlled, 24VDC , Pluggable Terminal Blocks included. |
| IA-3116-E-P | 16-Ch Relay 5Amp , 16-Ch Isolated Digital Inputs, Ethernet Controlled, 24VDC , Pluggable Terminal Blocks included. |
| IA-3116-U2i: | 16-Ch Relay 2Amp , 16-Ch Isolated Digital Inputs, USB or RS-232 Controlled, 24VDC . |
| IA-3116-2i: | 16-Ch Relay 2Amp , 16-Ch Isolated Digital Inputs, RS-232 Controlled, 24VDC . |
| IA-3116-XXX-X-12VDC | 12VDC Powered Version |

Features

- Isolated USB Port
- 16-ch SPST / SPDT Relays
- 16-ch Isolated Digital Input
- “Dry-Contact” input supported
- Positive and Negative Input Logic
- Dual Watchdog
- Open Source Code Samples
- Easy, Transparently Chained
- DIN-Rail mounting ready
- Pluggable Terminal Blocks **included**.

Specifications

Relays

| | | |
|----------------|------|---|
| Channels | | 16 |
| Contact Rating | N.O. | 5Amp @ 30VDC / 250VAC |
| | N.C. | 3Amp @ 30VDC / 250VAC |
| Contact Method | | SPDT, Form C, 4-ch SPST, Form C, 12-ch |

Isolated Digital Inputs

| | |
|------------------------|--|
| Channels | 16 |
| Operation Method | "Dry-Contact", GND Or Positive signal |
| GND Voltage Range | 0 to 5VDC |
| Positive Voltage Range | 0 to 30VDC |

Control Port

| | |
|----------------------|--|
| Main COM | Isolated USB |
| Secondary Main Port | RS-232, DB9 Female |
| Expansion Port | Buffered RS-232, DB9 Male |
| Factory Defaults | BR 19.2bps Data bits 1200-115Kbps Parity None Stop bits 1 |
| Baud Rate Range | 1200-115Kbps |
| Host USB Cable | USB A/B, included |
| Host/Expansion Cable | DB9 M/F Straight Through |

General

| | |
|---------------------------|-----------------|
| Pluggable Terminal Blocks | included |
| Power Supply | 24VDC, 0.4Amp |
| Module Size | 265x115x45 mm |
| Mounting | Din-Rail Ready |
| Weight | 430gr |

