

IA-3117-U2i-P

16-ch Solid State Outputs
16-ch Isolated Digital Inputs
USB & RS-232 Controlled

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



Introduction

The IA-3117-U2i-P is an innovative Solid Relays Source kind, CE and FCC approved ROHS compliant Relay Controller board. This industrial grade module is being controlled by an isolated USB port, avoiding most ground loops and EMI/RFI noise issues.

The IA-3117U2i-P includes 16 Solid-State kind Relays, 16 Isolated Digital Inputs, extra high speed RS-232 ports for simple and easy chaining, as well as extra watchdog facility to safely handle PC and Communication critical faults.

This innovative Controller makes use of extremely low resistance Mosfet component, providing high efficient high power output stages with a significant low temperature rise, excellent vibration resistance and endless expected operation cycles.

The Isolated Digital Inputs support “Dry-Contact” inputs as well as “Wet” signals.

Moreover, the onboard optical isolation source voltage may be switched off, fitting different wiring methods.

The IA-3117-U2i-P software support package includes Visual Studio and Labview drivers, Setup, Configuration and Operation utilities as well as Open source software examples.

Ordering Information

IA-3117-U2i-P 16-Ch Solid State Output
16-Ch **Isolated** Digital Inputs
USB & RS-232 Controlled

Features

- 16-ch Isolated Solid State Outputs
- 5 Amp Continuous Output
- 20 Amp Pulsed Output
- 16-ch Isolated Digital Input
- “Dry/Wet-Contact” support
- Programmable Digital filter
- Dual Watchdog Timers
- Visual Studio & Labview Drivers
- Open Source Code Samples
- Easy, Transparently Chained
- DIN-Rail, Wall mounting ready

Specifications

Outputs

Channels	16
Operation Voltage	10 – 35VDC
Continuous Current	5 Amp
Pulsed Current	20 Amp @ 10 mS @ 1/20
Contact Method	Open Drain P-ch

Isolated Digital Inputs

Channels	16
Operation Method	Int. or Ext. Powered
Voltage Range	5 to 30VDC
Polarity	Bipolar

Control Ports

Main port
Connector kind
Factory Default

USB Virtual COM

USB type B
BR 19200 bps
Data bits 8
Parity None
Stop bits 1

Baud Rate Range

Secondary Port

Connector Type

Expansion Port

Connector Type

Host/Expansion Cable

RS-232 Control Port

DB9 Female

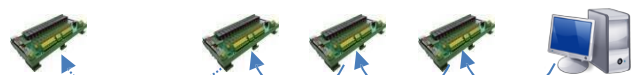
Buffered RS-232 Port

DB9 Male

DB9 M/F Straight Through

General

Power Supply	24 VDC
Module Size	265x115x45 mm
Mounting	Din-Rail Ready
Weight	430gr



Specifications are subject to change without notice