

# IA-2117-U

16 Relay board,  
3-ch Digital input,  
USB Controlled Module

**IA Intelligent Appliance**  
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## Features

- 16-ch Independent Relays
- 4 SPDT Relays, 12 SPST
- 3-ch Digital Input
- “Dry-Contact” Inputs & Outputs
- Watchdog Protection
- Open Code Samples
- Setup & Operation Utilities
- Small Footprint
- DIN-Rail Mounting ready

## Introduction

The IA-2117-U is a tiny, intelligent, 16-ch Relay Board Controller, sharing both SPST and SPDT relays, 3-ch Digital Input handling both “Dry-Contact” and Voltage Level defined status, USB powered and USB controlled.

The IA-2117-U, with a tiny, 4.3”x2”, footprint, features 16 relays with a contact rating of 2 Amp @ 30VDC, independently wired, and 3-ch “Dry-Contact” inputs present both efficient and moderately priced Relay Control Solution.

For bussed relay solution, kindly refer to IA-2116-U.

Support for the IA-2117-U includes Dot.net Library, USB Drivers and Open Code Samples, for quick and successful software implementation.

## Ordering Information

IA-2116-U:	16-ch Bussed Relays. USB Power and Controlled
IA-2115-U:	8-ch Relays, 8-ch Isolated Digital Inputs USB Power and Controlled
IA-2117-U:	16-ch Unbussed Relay Board, USB Powered and Controlled 3-ch Dry-Contact Digital Inputs

## Specifications

### Control Port

Communication Method	USB
BR Range	1200 to 230400 bps
Default	19200, 8, n, 1

### Relays

SPDT	4-ch
SPST	12-ch
Contact Rating	2Amp @ 30VDC 0.5Amp @ 115VAC 0.25Amp @ 250VAC
Electrical Endurance	5x10 <sup>5</sup> at 30VDC / 2Amp
Mechanical Endurance	10 <sup>8</sup>
Operate Time	4mS
Release Time	4mS

### Digital Input

Channels	3
Voltage Range	0 to 5VDC
Polarity	Active Low
Operation Methods	“Dry-Contact” and Voltage Level
Input Current	-1.2mA

### General

Supply Voltage	USB Powered
Operating Temp.	0~60° C
Dimensions:	
w/o Din Rail	110x52x20 mm
w Din Rail	114x56x40 mm
Weight:	
w/o Din Rail	85g
w Din Rail mounting	125g



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Specifications are subject to change without notice