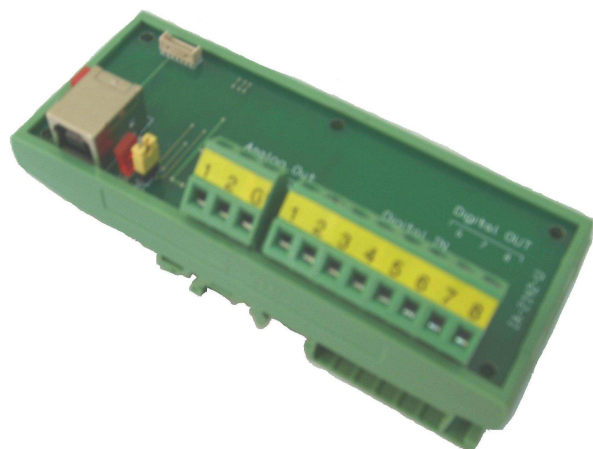


# IA-2142-U *Dual D/A Octal Digital I/O USB Controlled Module*



## Connector Pinout

1	CH1	} Analog Out
2	CH2	
3	GND	
1	CH1	} Digital In
2	CH2	
3	CH3	
4	CH4	
5	CH5	} Digital I/O
6	CH6	
7	CH7	
8	CH8	

## Description

The IA-2142-U is a Dual 8bit Analog Outputmodule, with up to 8 Digital Inputs and 3 Digital Outputs. The IA-2142-U structure and software control commands are Series-3000 compatible, including the watchdog protection circuit, and user interface extra Led and Jumper.

The IA-2142-U is USB powered and controlled, while operating it is most simple and easy, as if it was an RS-232 device. The software support includes an open source sample program, configuration utility, with Time Schedule activation option, and an API library.

## Features

- 2 Analog Output channels
- 8 Digital I/O channels
- Watchdog Protection
- Simple ASCII Control
- USB port powered

## Ordering Information

- **IA-2142-U** – Dual Analog Out, Octal Digital I/O
- USB powered & controlled, USB cable.

## Specifications

### Control Port

Communication Method	USB
Default	19200, N, 8, 1

### Analog Out

D/A Resolution	8 bit
Output Voltage range	0-5V
Reference	PC 5V

### Digital Input

Channels	5 Individual Inputs 3 Inputs/Outputs shared
Input Voltage Range	0-5V +/-0.5V
Dry Contact	8 Channels
Pull-ups	4.7K, 5V

### Digital Outputs

Channels	3 Input/Output shared
Output Voltage Range	0-5V
Sink Current	8 mA

### General

Power Source	USB port
Working Temperatures	0-60 Deg
Dimensions	110x50x50 mm
Weight	100gr