

IA-1212-U

2 Relays 2Digital I/O
USB Controlled Module

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



Features

- 2-ch Relays
- 2-ch Digital I/O
- Dry-Contact Input
- 5 to 30V Digital Input Range
- 100mA Sink per I/O channel
- IA Series-3000 CMD compatible
- Visual Studio & Labview drivers
- USB Powered and Controlled
- Small Footprint

Description

The IA-1212-U is a compact intelligent Relay controller, equipped with 2 channels of Digital I/O, powered, and controlled via its USB port. This versatile device provides both normally open (NO) and normally closed (NC) lines on its second relay.

The Digital I/O port is capable of handling Dry-Contact inputs or input signals up to 30VDC, or it can sink up to 100mA on each Digital line when used as a Digital Output channel, operating additional high power external relays.

Communication settings can be easily configured, with baud rates ranging from 1,200 to 230,400, along with a flexible I/O configuration.

The product includes a comprehensive software support package with utilities, Visual Studio drivers, and software examples. It comes in a compact plastic enclosure with a pluggable screw terminal block for quick and hassle-free installation.

For applications requiring double the number of relays, we offer the IA-1214-U (P/N), while all relays are of SPDT type.

Specifications

Control Port

Communication method	USB
Default BR	19200, 8, n, 1
BR Rate range	1200-230400 bps

Relays

SPST/SPDT	1 each
Contact Rating	2Amp @ 30VDC
Electrical Endurance	1x10 ⁵ at 30VDC / 2Amp
Mechanical Endurance	1x10 ⁸
Operate Time	4mS
Release Time	4mS

Digital I/O

Channels	2
I/O Voltage Range	0 to 30VDC
Supports both operation Methods, s/w defined	“Dry-contact” and Positive input Voltage
Maximum Sink Current	100 mA

General

Supply Voltage	USB Port Powered
Operating Temp.	0~60° C
Dimensions L/W/H	71x43x24 mm
Weight with flange	65g

Ordering Information

IA-1212-U:	2-ch Relays, 2 Digital I/O with mounting Flange, USB Powered and Controlled
IA-1212-U0:	2-ch Relays, 2 Digital I/O w/o mounting Flange, USB Power and Controlled

