

# IA-3116-E

TCP/IP Relay Controller and Remote Digital Status monitor



## Features

- TCP/IP Controlled
- SPST/SPDT Relays
- “Dry-Contact” Inputs
- Positive and Negative Input Signal
- Host Status Monitoring
- High/Low speed Counters
- Open source code samples
- Self-Powered Isolation Circuits
- Din-Rail mounting ready
- Pluggable Terminals

## Introduction

The IA-3116-E is most reliable TCP/IP Relay Controller and Remote Digital Status monitor. This Industrial Grade module is CE and FCC approved, designed to operate on factory floor in harsh noisy EMI/RFI Environment.

The IA-3116-E includes 16 relays. 12 of them have an output contact rating of 5Amp @ 250VAC, SPST kind, while the remaining 4 are of SPDT kind with contact rating of 2Amp @ 30VDC and 1Amp @ 125VAC.

16-ch Isolated Digital Inputs are powered already, and capable of handling “Dry-Contact” Inputs, PNP and NPN devices, as well as TTL and LVTTTL.

This relay controller is equipped with and RS-232 Chain Port for additional optional chaining and DIN-RAIL mounting facility.

The Product is software supported by a DOT.net Library and open source code examples, and it may controlled by direct IP access while making use of the original Series-3000 commands.

## Ordering Information

<b>IA-3116-E:</b>	1 6-ch Relay, 16-ch Isolated D/I TCP/IP , 24VDC.
<b>IA-3116-U2i:</b>	1 6-ch Relay, 16-ch Isolated D/I USB or RS-232 Controlled, 24VDC.

## Specifications

### Relays

Channels	4
Method	SPDT
Contact Rating	3Amp @ 250VAC 3Amp @ 30VDC
Channels	12
Method	SPST
Contact Rating	5Amp @ 250VAC 5Amp @ 30VDC

### Isolated Digital Inputs

Channels	16
Supported Signals	“Dry-Contact”, OC NPN, OC PNP
Operation Modes	Locally Powered Externally Powered

### Counters

Channels	2
High Speed	5 KHz @ 50% Duty Cycle
Low Speed	250 Hz @ 50% Duty Cycle

### Communication

Default IP	10.1.1.kk
Default Port	23
Default BR	19200

### General

Power Supply	24VDC 0.4Amp
Module Size	265x115x45 mm
Weight	430gr