

# IA-3118-E

16 Relays, 16 Isolated D/I  
TCP/IP Controlled,  
IA Daisy-Chain Series

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



## Introduction

The IA-3118-E is an industrial, high power, high voltage monitor and control device.

All isolated digital input channels are isolated from each other and are digitally filtered to ensure reliable operation in a noisy factory floor environment.

All relay contacts are individually protected by voltage suppressors to avoid RFI/EMI noise generation and to extend relays operation life time

This device includes an ethernet interface port with an IP address and can be locally expanded by Intelligent-Appliance RS-232 devices, carrying a unique device address each, sharing the same IP address.

The IA-3118-E software packet includes Setting and Operation utilities DOT.net drivers, and open code software examples for fast system integration.

## Features

- TCP/IP Ethernet Controlled
- 16-ch Isolated Digital Input
- Between Channel Isolation
- Wide Voltage Input Range
- 16-ch Power SPDT Relays
- Dual Watchdog Protection
- Open Source code software samples
- Setting and Operation Utilities
- Local Expansion Ready
- DIN-Rail Mounting Ready

## Specifications

### Relays

Channels	16
Contact Rating	16Amp @ 30VDC 16Amp @ 240VAC
Contact method	SPDT, form C

### Digital Inputs

Channels	16
Voltage Range	5V to 48VDC 90-300VAC ( <b>IA-3118H</b> )

### Communication

#### Ethernet

LAN	10/100 base-T
Protocol	TCP/IP DHCP and Static
Default IP	10.1.1.22
Default Port	23
Connector	RJ45

#### Serial Port

Baud Rate Range	1200 – 115200
Default Settings	19200, 8, n, 1
Flow Control	None
Connector	DB9 Male

### General

Power Consumption	0.6Amp@24VDC
Voltage Range	22-30VDC
Module size:	265x115x45 mm
Weight:	572 gr

## Ordering Information

IA-3118-E-P	16-ch Relay, 16-ch Digital Inputs <b>TCP/IP</b> Controlled
IA-3118H-E-P	<b>High voltage</b> monitor range <b>90-300VAC</b>
IA-3118-U2i-P	16-ch Relay, 16-ch Digital Inputs <b>USB</b> or <b>RS-232</b> Controlled
IA-3118H-U2i-P	<b>High voltage</b> monitor range <b>90-300VAC</b>

