

# IA-3881-ia5

16-ch Isolated Digital Interface  
Peer-to-Peer – ready  
Power Over COM - solution

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

## Features



- Simple POC Solution
- 8 Isolated Digital Inputs
- 3 to 30VDC Input Range
- 8 Isolated Digital Outputs
- 10 to 30VDC @ 0.7Amp
- Fully Protected Power Outputs
- Communication Range over 1KM
- Communication Speed over 230Kbps
- Power Over Communication
- Peer-to-Peer operation ready
- CAT5 simple wiring
- Fits where Wireless doesn't

## Introduction

The IA-3881-5 is a simple POC solution, Power over Communication line solution, mainly to monitor and control remote systems, remote buildings and factory floor by using a Host PC computer, or it can easily be used as an interface between Control Stations and their controlled facilities, without the need of neither computer hardware nor software. Monitoring and control is still available, and can be carried out both by local computers and by the Internet.

The IA-3881-5 unit features 8 Isolated Digital Inputs and 8 Power Isolated Digital outputs, while other members of this product family include Relays, Stepper Drivers and more.

This device, the IA-3881-5 unit is capable of driving over 5Amp @ 30VDC, 0.7Amp per port.

Intelligent-Appliance POC solution is capable of an operation over a long distance of over 1KM, providing high communication rate of over 230Kbps and includes CAT5 simple wiring solution. A traditional screw terminal port is available as well.

Local Power Supply may be added to each device as needed, without the need of special Injection units.

The software support includes DOT.net Library, setting and configuration utilities, as well as open source software examples for fast and easy system implementation.

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## Specifications

### Isolated Digital Inputs

Channels 8  
Voltage Range 0 to 30VDC

Logic '1' 3 to 30VDC  
Logic '0' 0 to 1.5VDC

### Isolated Digital Outputs

Channels 8  
Voltage Range 0 to 30VDC

Output Function Positive Output (Source)  
Output Current Up to 0.7Amp per channel  
Protection Over Current Protection  
Power Source 0-30VDC @ 8Amp

### Communication

Method ia5 (CAT5)  
BR Range 1200-230K bps  
Default BR 19200 bps

### General

Main Power Supply 10-48VDC  
Power Consumption 2 W  
Operation Range 0~60° C  
Module Size 105x75x32 mm  
Weight 280gr

## Ordering Information

<b>IA-3881-ia5</b>	<b>16-ch Isolated Power Digital Interface</b> 10 to 48VDC, over 1KM range.
<b>IA-3800-ia5-U</b>	<b>USB ia5/232/485 Interface unit</b> 10 to 48VDC, over 1KM range.
<b>IA-3801-ia5-E</b>	<b>Ethernet ia5/232/485 Interface</b> 10 to 48VDC, over 1KM range.