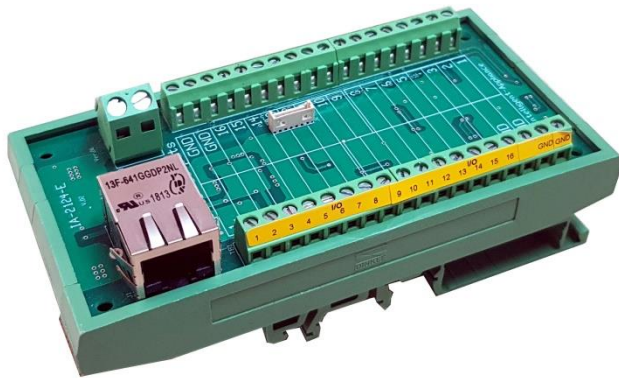


# IA-2126-E

16-ch Digital Input  
16-ch Digital Output  
Ethernet Controlled Module

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



## Introduction

The IA-2126-E is a 32 channels TCP/IP/Ethernet Digital I/O module with several unique operation modes.

Among the modes there is the traditional Slave mode that can use Polling or Auto Report mode to monitor the input lines.

A second operation mode enables normal Ethernet communication, while Auto Report burst of information generated by Input state change can be reported on a different IP/Port channel.

A third operation mode was designed to handle a Peer-to-Peer operation, enabling a two way state reflection between two modules of this kind, in a direct way without the need for a host computer. Another feature of this module is choosing a Pull-up or Pull-down input structure to best fit their data source. Extra dual, Digital I/O lines, provides two more I/O channels, which can operate both as Input or output and can be optionally used for Synchronization, Handshaking, Communication, etc.

The Software support package for the new IA-2126-E controller includes Microsoft Visual Studio DLL, Labview Driver, software examples, and software utilities, designed to operate the device and configure it if needed. The software utility includes a command line, enabling the user to evaluate and get familiar with the system and the commands list.

## Ordering

IA-2124-E	TCP/IP Digital I/O 100mA Sink
IA-2125-E	TCP/IP Digital I/O 80mA Source
IA-2126-E	TCP/IP Digital I/O +/-24mA TTL

## Features

- TCP/IP Ethernet Controlled
- 16-ch Digital Input
- 16-ch Digital Output
- 2-ch Digital I/O
- Featured Digital state Report
- easily operated Peer-to-Peer
- Pulse Output Functions
- Dual Watchdog protected
- Visual Studio & Labview Drivers
- CE & FCC Approved ROHS Compliant

## Specifications

Digital Outputs	
Channels	16
Drive	Buffered Line Drive
Voltage Range	0 to 5VDC
Output Current	+/-24 mA
Digital Inputs	
Channels	16
Dry Contact	Input to GND or to +V
Wet Contact	Logic 0: 0 to 1.5VDC
	Logic 1: 3 to 30VDC
Operation Modes	Polling or Auto Report
	Input Change or Time
	Report on Main or Sec.
	Peer-to-Peer
Pull-up/Pull-down	Software Set. per Byte
Event Counters	2 channels
Digital I/O	
Channels	2
Output Structure	NPN Open-Collector
Communication	
Main Control Port	Ethernet TCP/IP
	10/100base-T
	DHCP/Static IP modes
	Webpage or AT Config.
Secondary Port	Extra IP and/or Port
General	
Power Source	10 to 30VDC
Operation Temp.	0 to 60° C.
Module Size	115x56x40mm
Weight	130gr