

# IA-2661-EP

Isolated TCP/IP  
96 Digital Inputs TTL/LVTTL/30VDC  
Pluggable Screw Terminals

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## Introduction

The IA-2661-E is an Industrial 96-ch TTL/LVTTL/30VDC Digital Input Controller with LAN (TCP/IP) Interface.

This TTL/LVTTL/30VDC Digital Input Controller replaces a Plug-In card, expansion cables and Screw Terminal Expansion boards. The result is a compact and most economical solution, recommended for less demanding cases, in terms of communication speed, while comparing BUS speed to Serial communication one.

The IA-2661-E has 96 Input channels, divided into 6 groups, while each group may be configured in a different way, according to the user needs.

The user may define a Positive Pull-up, GND pull-down or any External Voltage, Positive or Negative as the Pull-up source, while expecting Active Low signals in pull-up cases and Active High signal in Pull-down.

Default Logic operation voltage is +5V, but it might be changed into 3.3V to meet an extreme customer need.

Data can be logged by polling or it can be set to generate a software interrupt for any change on Digital Input Status or by a preset timing.

There is another Series board member, the IA-2662-E unit that includes 48 input channels rather than 96 channels, and includes 48 output channels as well.

The IA-2661-E fits a wide range of industrial applications as Machine Interface, Data Acquisition, Absolute Encoder Reading and ATE, Automatic Testing.

## Features

- Isolated TCP/IP port
- 96 Digital Input channels
- TTL/LVTTL/30V signal handling
- “Dry-Contact” Inputs
- Positive and Negative Logic Supported
- Selectable Input pull-ups source
- Onboard watchdog protection
- High noise immunity
- Pluggable terminal blocks
- Din-Rail mounting ready
- Open source DOT.net code examples

## Specifications

### Communication Port

COM version	Isolated TCP/IP
COM Speed	10/100 base-T
Default IP	10.1.1.22
Default port	23

### Digital Inputs

Channels	96
Input Voltage Range	3.3V / 5V / 30VDC
Pull-up Resistor	22K OHM
Pull-up Source	3.3V / +5V / GND / External

### Auxiliary Relay

Contact Method	SPDT
Current Rating	2Amp @ 30VDC
Operation Modes	Communication / Power Loss User Controlled

### General

Supply Voltage	24VDC
Supply Current	0.3Amp
Module Size	170x115x45 mm
Weight	300gr

## Ordering Information

IA-2661-EP	96-ch Digital Input TCP/IP, 24VDC.
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