

# IA-2660-E

IA-2660-E Ethernet port  
96 Digital I/O TTL  
Pluggable Terminal Blocks

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## Introduction

The IA-2660-E Digital I/O device includes 12 groups of 8 Digital I/O each. Each group may be independently set as an Input or as an Output. Setting a group to Input doesn't reset its output register so the Port Direction may be used as output Active/Non-active control.

Output state of each channel may be controlled by a 96-ch width command that affecting Output channels, by an 8 channels command, or by a single channel command. Same for reading the inputs state.

The input state can be read by a 96-ch width command, by 8-ch command, or by a single channel command. These input state reading commands can be used for both Input and Output monitoring.

The IA-2660-E internal operation Voltage can be set to either 3.3V or to 5V, affecting the output level as well, in order to best fit to and best interface with external 2.7 to 5V operated devices. The IA-2660-E includes an Ethernet communication port while an Isolated USB port version - IA-2660-Ui, is available as well.

The device support includes Visual Studio DLL, Open Source software examples, Web Page program to change the device IP address and operation mode, and several utilities to easily set the groups direction set the output channels state, and to monitor the input state. Command Line feature within the utility is the easiest, quickest way to check and learn the device various commands.

## Features

- 96-ch Digital I/O Controller
- Input/output Direction is set by Groups of 8-ch each
- Output Commands can handle 1-ch/8-ch/96-ch at a time
- Output Registers Read Back ready
- Output Command Activity may be Synchronized by H/W or S/W Input
- Input state can be read at 1-ch/8-ch/96-ch width
- Pulling resistors may be set to a Positive source or to GND
- Visual Studio DLL
- Open source software examples
- Pluggable Wiring System
- DIN-Rail mounting ready

## Specifications

### Communication Port

Port version	TCP/IP
Port Setting	Web page
Speed	10/100 base-T
Default IP	10.1.1.22
Default port	23

### Software Selected Digital I/O

Channels	96 (8 groups)
Input or Output	
Selection Level	Byte – Software selected
Input/Output Default	Input
Operation Voltage	3.3V / 5V - Software Selected
OV Default	3.3 Volt
Input Voltage Range	GND-0.5V to VCC+0.5V
Pull-up Resistor	22K OHM
Pull-up Source Voltage	VCC/GND – Software Selected
Pull-up Default	VCC

### General

Supply Voltage	16-32VDC
Supply Current	0.5Amp
Module Size	170x115x45 mm
Weight	300gr

## Ordering Information

<b>IA-2660-Ui</b>	96-ch, Digital I/O, Isolated USB
<b>IA-2660-E</b>	96-ch, Digital I/O, Ethernet