

Data Sheet

# CIE-H10 | 8ports Remote I/O Controller



## Overview

CIE-H10 is an Ethernet remote I/O controller that has 8 photo coupler input ports and 8 relay output ports. This remote I/O controller is additionally equipped with a RS232 serial interface to allow your serial devices to establish an Ethernet networking connection. CIE-H10 mainly enables you to extend the distance of the I/O control system, therefore you are able to remotely control and monitor your I/O devices over the Internet from anywhere in the world.

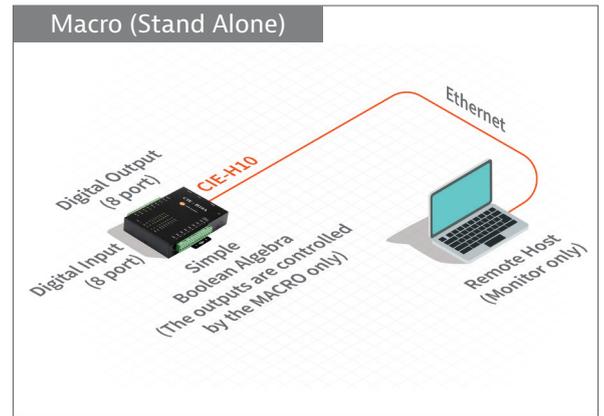
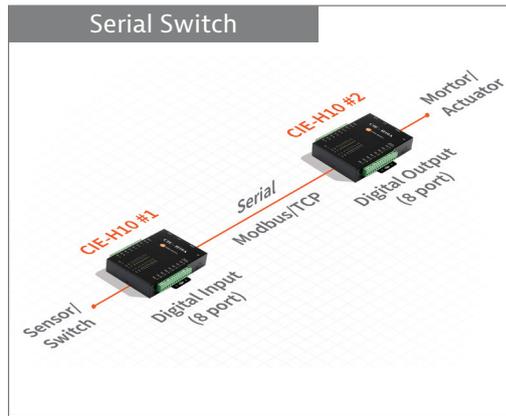
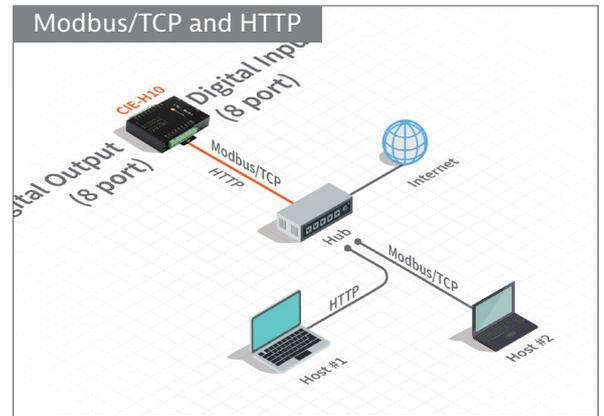
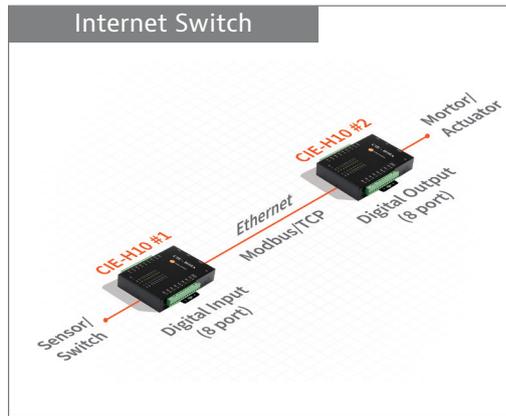
As well as with a simple management tool (ModMap), this Ethernet remote I/O controller comes preloaded with a user web page, which is available to customize with your own graphic images, to ease control and surveillance on the website. Besides, a Macro function allows each relay output to be automatically controlled as set by simple logic formula.

Since this Ethernet remote I/O controller has various methods to control relay outputs and monitor digital inputs such as HTTP, Modbus/TCP and Serialized Modbus/TCP, it is available on various environments such as Remote PC Power Control, Internet Switch, etc.

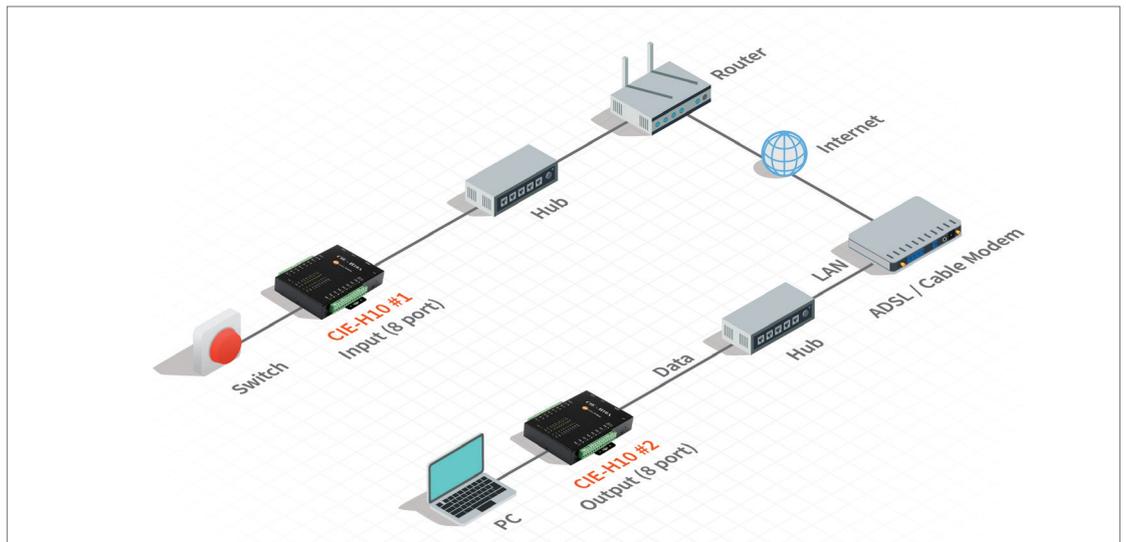
## Features

- 8 digital input, 8 digital output ports
- Durable steel case
- Dry contact adapter (optional)
- Modbus/TCP
- Web-based control over custom web page
- Controlled by simple logic formula operating autonomously
- Used as Internet Switch
- Free mobile application

# System Diagram



# Application



## Specifications

Digital Input Port	
Number of Ports	8
Interface	Isolated by Photo-coupler
Electric Parameter	MAX VIL=1.2V, MIN VIH=4.5V
Maximum Input Voltage	DC 24V
Digital Output Port	
Number of Ports	8
Interface	Isolated by Relay
Relay Capacity	5A (DC28V)
Serial Physical Interface	
Serial Interface	1 x RS232 Port
	RXD, TXD, RTS,CTS, DTR, DSR, GND
	± 15KV ESD Protection
Connector	DB9M Connector
Serial Port Property	
Data Rate	300bps ~ 230,400bps
Data Bits	5, 6, 7, 8 bits
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 1.5, 2
Network Physical Interface	
Network Interface	10Base-T/100Base-TX Ethernet (RJ45)
	Ethernet Speed Auto Sense
	1:1 or Cross-over Cable Auto Sense
	1000 VAC Isolation
Software Functions	
Protocols	TCP, UDP, IP, ICMP, ARP, Ethernet, TELNET
	TFTP, DHCP, PPPoE, DNS, HTTP, Modbus/TCP
	Configuration and Monitoring Tool through Ethernet
	Telnet Login
Security	IP & MAC filtering - Restrict host or network
	Password for Configuring
Digital I/O Port Communication Mode	Modbus/TCP, HTTP, Stand alone (by simple equation)
Communication Mode	TCP Server (T2S)
	TCP Client (COD)
	TCP Server/Client with AT Command (ATC)
	UDP Mode (U2S)
Additional Functions	Remote Debug Function
	TCP Server/Client Mode
	Sending MAC address Option

## Specifications

Indicators (LEDs)	
Power	Red
Status	Yellow, The Current Status
Ethernet Link	Red - 10M Ethernet, Green - 100M Ethernet
Ethernet RXD	Yellow
Ethernet TXD	Green
Digital Input	Yellow x 8
Digital Output	Green x 8
Management	
ezManager	Configuration and Monitoring Tool through Network and Serial
Telnet	Telnet Login
AT Command	Configuring in ATC Mode
Software	
ezManager	Configuration Tool for Windows
ModMap	Management Tool of I/O controllers for Windows
ezVSP	Serial to Network Virtual Driver for Windows
ezTerm	Simple TCP/IP Communication Test Tool
Dimension	
Size	153mm x 126mm x 32mm
Operating Environments	
Input Voltage	DC 5±0.5V
Power Consumption	510mA typical
Operating Temperature	0°C ~ +55°C
Storage Temperature	-40°C ~ +85°C
Certificate	
KC	Registration (KN 22, KN 24)
CE	EMC 2014/30/EU, RoHS 2011/65/EU