

Data Sheet

# CIE-H10A | 8 Ports Remote I/O Controller



## Overview

CIE-H10A is a remote I/O controller consisting of 8 digital input and 8 digital output ports. Users can monitor and control the devices through the Internet.

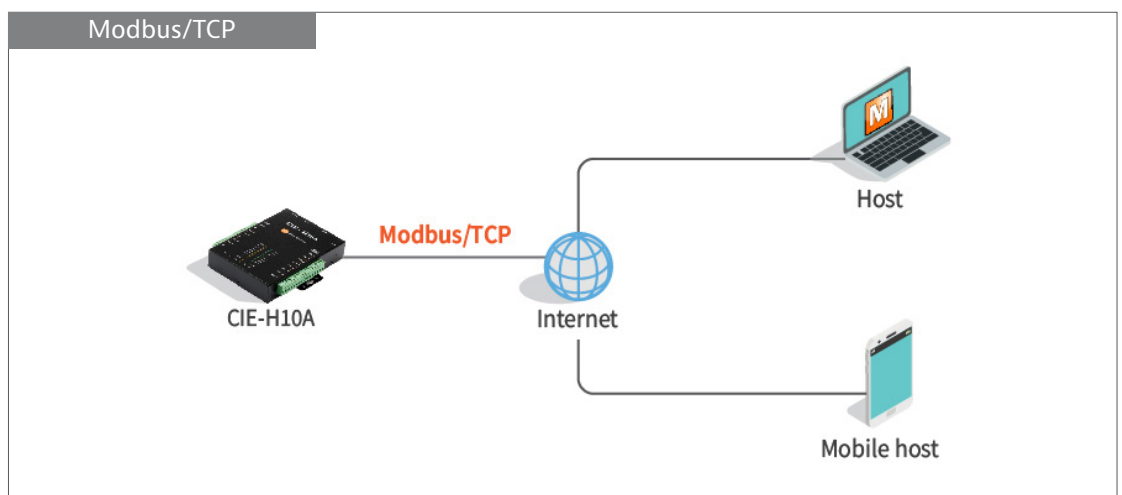
CIE-H10A supports Modbus/TCP and HTTP. It can be connected by a free software ModMap or HMI program that supports Modbus/TCP. It can also be accessed via HTTP by a web browser. In this case, users can upload customized web pages to the device. The device also provides a macro function which allows the output port to be controlled by the input ports with a simple logic equation.

Besides, CIE-H10A can work as a serial gateway that provides serial to TCP/IP converting function.

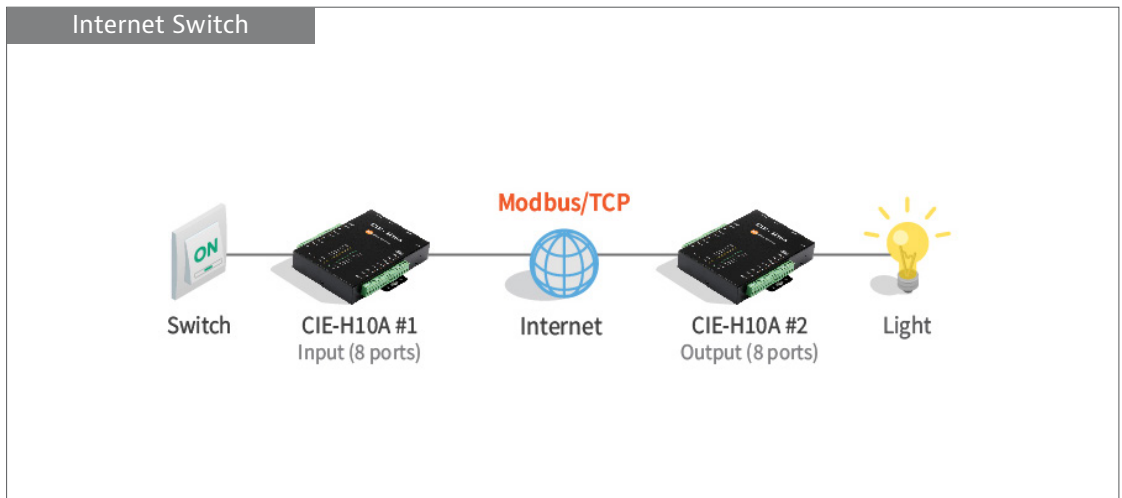
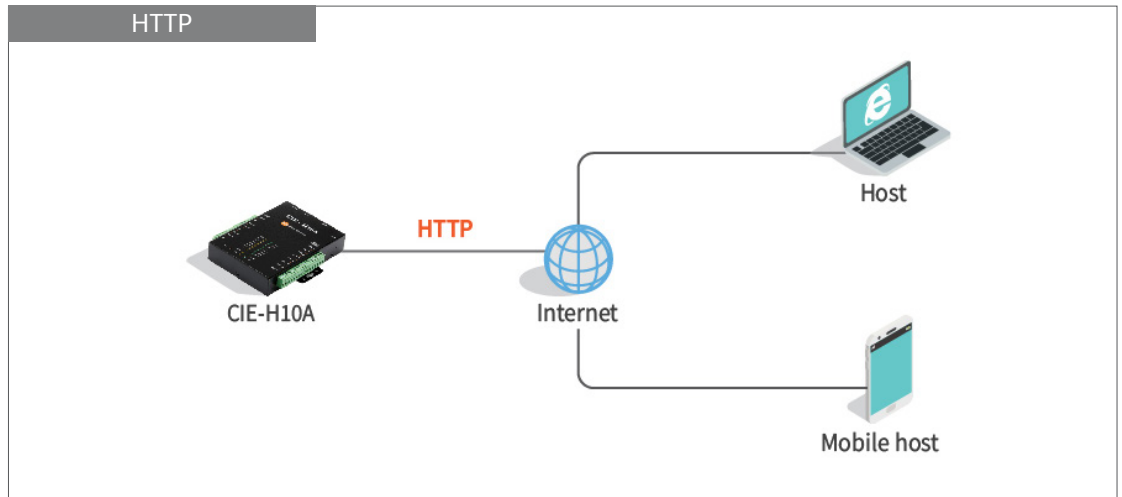
## Features

- 8 digital input ports
- 8 digital output ports
- Modbus/TCP
- Web (HTTP)
- Internet switch
- Free Modbus/TCP program to monitor and control (ModMap)
- Serial ↔ TCP/IP conversion

## System Diagram



# System Diagram



# Specifications

Digital Input Port	
WET Input	8 ports
	Isolated by photo-coupler
	ON - over DC 4.5V, OFF - under DC 1.2V
	Maximum input voltage - DC 24V
Digital Output Port	
Interface	8 ports
	Isolated by relay
	Type A (ON - short, OFF - open)
	Relay capacity - 5A (DC 28V, resistive load)
Serial Port	
Interface	1 x RS232 Port
	RXD, TXD, RTS, CTS, DTR, DSR, GND
	±15KV ESD protection
Connector	DSUB 9-pin Male
Baudrate	300 ~ 230,400 [bps]
Data Bits	5, 6, 7, 8
Parity	None, even, odd, mark, space
Stop Bit	1, 1.5, 2

# Specifications

Ethernet Port	
Interface	10Base-T/100Base-TX Ethernet (RJ45)
	10M/100M auto sense
	1:1 or Cross-over cable auto sense
	1000 VAC isolation
Software Functions	
Protocol	Modbus/TCP, HTTP, TCP, UDP, IP, ICMP, ARP, DHCP, PPPoE, TELNET, TFTP, DNS, DDNS
Security	IP & MAC filtering
	Password for configuring
Controlling/Monitoring Method	Modbus/TCP, HTTP, Macro
Serial Port Communication Mode	TCP server, TCP client, UDP, AT command
Indicators	
System LED	PWR, STS, LINK, RXD, TXD
I/O Port LED	DI x 8, DO x 8
Supplementary Software	
ezManager	Configuration tool for Windows
ModMap	Management tool of I/O controllers for Windows
Dimension	
Size	153 x 126 x 32 [mm]
Weight	472g
Operating Environments	
Input Voltage	DC 5±0.5V
Current Consumption	500mA (typical condition)
Operating Temperature	-40 ~ +70 [°C]
Storage Temperature	-40 ~ +85 [°C]
Certificate	
Korea	KC - Registration (KN 32, KN 35)
Europe	CE - EMC 2014/30/EU, RoHS 2011/65/EU