

Data Sheet

# CIE-H12A | Remote I/O Controller



## Overview

CIE-H12A is a remote I/O controller consisting of two digital input ports and one output port. Users can monitor and control the devices through the Internet.

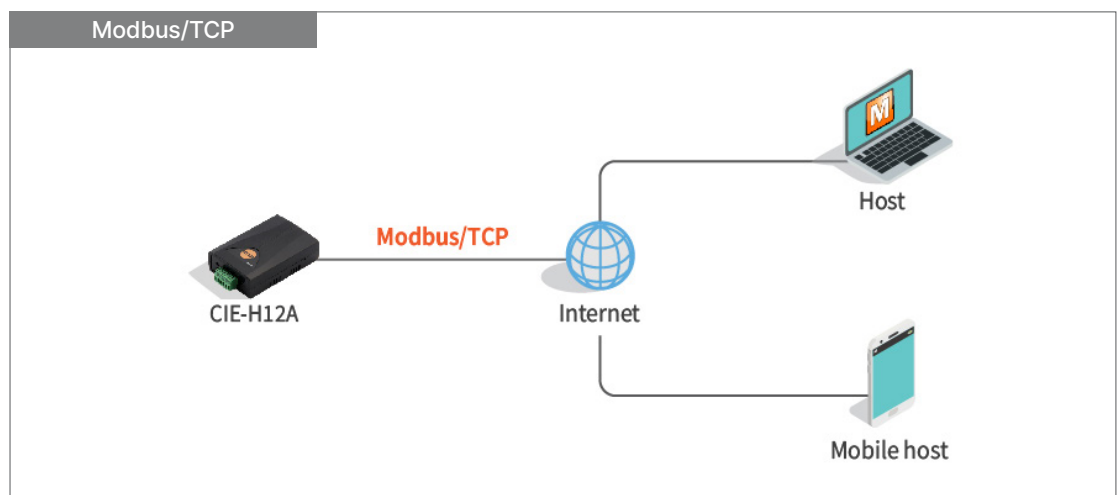
CIE-H12A supports Modbus/TCP and HTTP. It can be connected by a free software ModMap or HMI program that supports Modbus/TCP. It can also be accessed via HTTP by a web browser. In this case, users can upload customized web pages to the device.

Besides, the device provides a macro function which allows the output port to be controlled by the input ports with a simple logic equation.

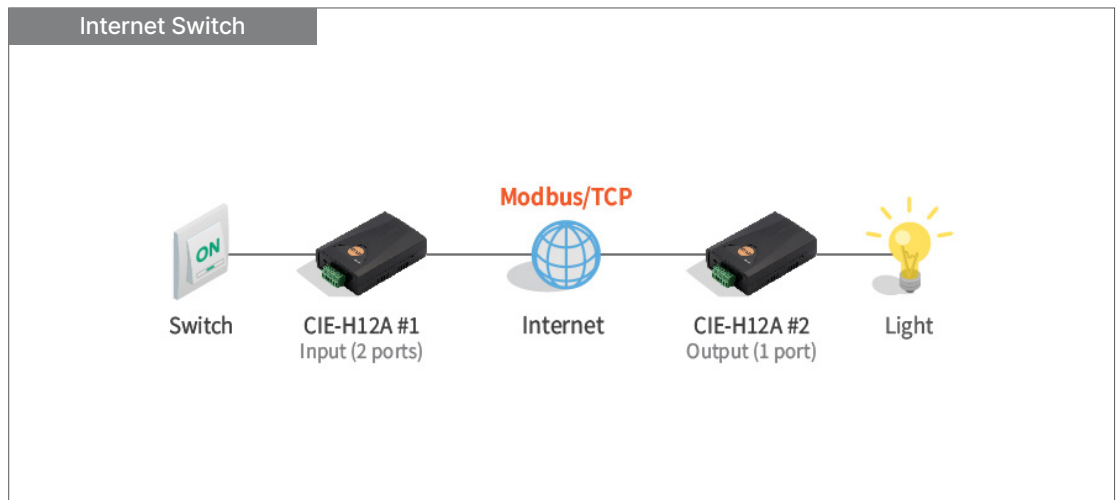
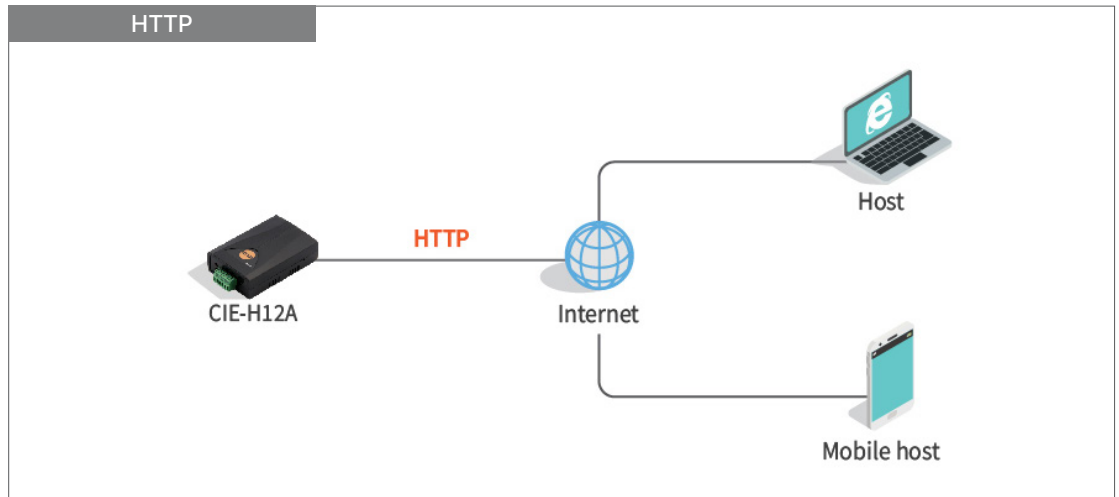
## Features

- 2 digital input ports (dry/wet contact)
- 1 digital output port
- Modbus/TCP
- Web (HTTP)
- Internet switch
- Free Modbus/TCP program to monitor and control (ModMap)

## System Diagram



# System Diagram



# Specifications

Digital Input Port	
DRY Input	Isolated by photo-coupler ON - short, OFF - open
WET Input	Isolated by photo-coupler ON - over DC 4.5V, OFF - under DC 1.2V Maximum input voltage - DC 24V
Digital Output Port	
Output Port	Isolated by relay Type A (ON - short, OFF - open) Relay capacity - 5A (DC 28V, resistive load)
Ethernet Port	
Interface	10Base-T/100Base-TX Ethernet (RJ45) 10M/100M auto sense 1:1 or Cross-over cable auto sense 1000 VAC isolation

## Specifications

Software Functions	
Protocols	Modbus/TCP, HTTP, TCP, UDP, IP, ICMP, ARP, DHCP, PPPoE, TELNET, TFTP, DNS, DDNS, SMTP
Security	IP & MAC filtering
	Password for configuring
Controlling/Monitoring Method	Modbus/TCP, HTTP, Macro
Indicators	
RJ45 LED	STS, LINK
I/O Port LED	DI x 2, DO x 1
Supplementary Software	
ezManager	Configuration tool for Windows
ModMap	Management tool of I/O controllers for Windows
Dimension	
Size	96 × 57 × 24 [mm]
Weight	70g
Operating Environments	
Input Voltage	DC 5±0.5V
Current Consumption	300mA (Typical condition)
Operating Temperature	-40 ~ +85 [°C]
Storage Temperature	-40 ~ +85 [°C]
Certificate	
Korea	KC - Registration (KN 32, KN 35)
Europe	CE - EMC 2014/30/EU, RoHS 2011/65/EU
Indicators	
System LED	STS(RJ45), LINK(RJ45)
I/O Port LED	DI X 2, DO X 1
Supplementary Software	
ezManager	Configuration tool for Windows
ModMap	Management tool of I/O controllers for Windows
Dimension	
Size	96mm X 57mm X 24mm
Weight	Approximately 68g
Operating Environments	
Input Voltage	DC 5V
Current Consumption	160mA Typical
Operating Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C