

Data Sheet

# CIE-H10G | 8 Ports Remote I/O Controller



## Overview

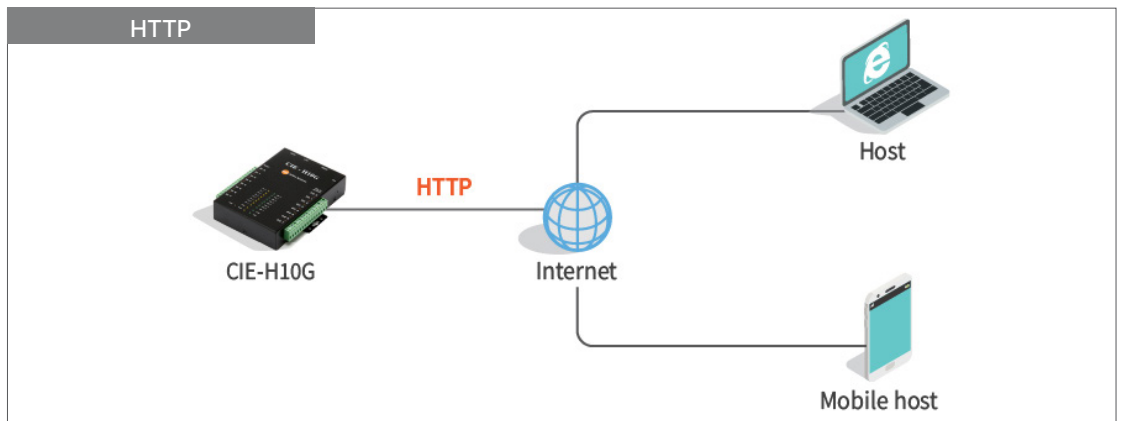
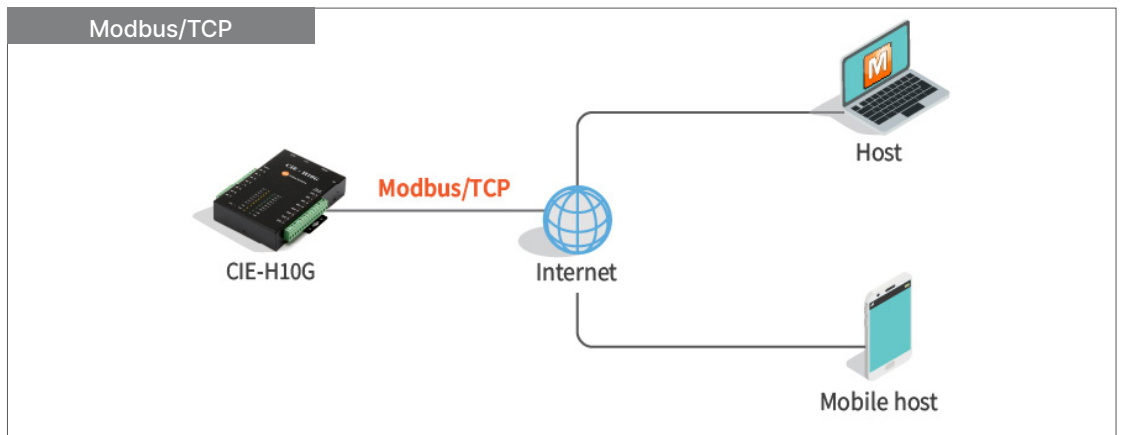
CIE-H10G provides the functionality of remotely monitoring digital output sensors, as well as controlling power supplies remotely.

CIE-H10G detects ON/OFF by receiving digital output from sensors and controls output ports through remote requests. It supports Modbus/TCP, HTTP, and macro functions for input/output control. Additionally, this product is equipped with an RS232 port for serial-ethernet conversion.

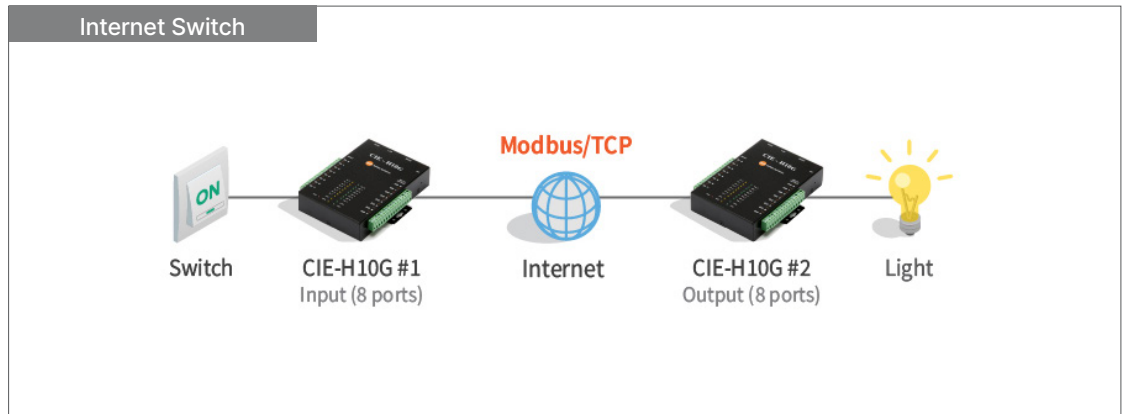
## Features

- 8 digital input ports (photocoupler interface)
- 8 digital output ports (relay interface)
- Support Modbus/TCP for I/O control function
- Support HTTP for I/O control function
- Provide custom web page function
- Support macro function for output control
- Support for IPv6 (IPv4/IPv6 dual stack)
- 1 RS232 port: Provide serial-ethernet conversion function

## System Diagram



# System Diagram



# Specifications

Digital Input Port	
Interface	8 ports
	Isolated by photo-couplers (WET contact)
	ON - over DC 4.5V, OFF - under DC 1.2V
	Maximum input voltage - DC 24V
Digital Output Port	
Interface	8 ports
	Isolated by relays
	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,
	±15KV ESD Protection
Connector	DSUB 9-pin male
Baudrate	300 ~ 230,400 [bps]
Data Bits	8bits, 7bits with parity
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 2 (* a single idle bit is automatically added to every stop bit by the MCU function)
Flow Control	None, RTS/CTS, Xon/Xoff
Ethernet Port	
Interface	10Base-T/100Base-TX Ethernet
	Ethernet Speed Auto Sense
	1:1 or Cross-over Cable Auto Sense
Software Functions	
Protocol	Modbus/TCP, HTTP, TCP, UDP, IPv4/IPv6 dual stack, ICMPv6/TCPv6/UDPv6, ICMP, ARP, DHCP, PPPoE, DNS, DDNS(Dynamic DNS), Telnet, Telnet COM Port Control Option (RFC 2217)
Security	IP & MAC filtering - Restrict host or network
	Password for Configuring
I/O Control Methods	Modbus/TCP, HTTP, Serialized Modbus/TCP, Macro
Serial-Ethernet Conversion Modes	TCP Server, TCP Client, UDP, ATC
Indicators	
System LED	PWR, STS, LINK, RXD, TXD
I/O Port LED	DI x 8, DO x 8

## Specifications

<b>Supplementary Software</b>	
<b>ezManager</b>	Configuration tool for Windows
<b>ModMap</b>	Management tool of I/O controllers for Windows
<b>Dimension</b>	
<b>Size</b>	153mm X 126mm X 32mm
<b>Weight</b>	Approximately 475g
<b>Operating Environments</b>	
<b>Input Voltage</b>	DC 5V
<b>Current Consumption</b>	450mA typical
<b>Operating Temperature</b>	-40°C ~ +70°C
<b>Storage Temperature</b>	-40°C ~ +85°C