Data Sheet

CIE-H12G | Remote I/O Controller

Overview

CIE-H12G provides the functionality of remotely monitoring digital output sensors, as well as controlling power supplies remotely.
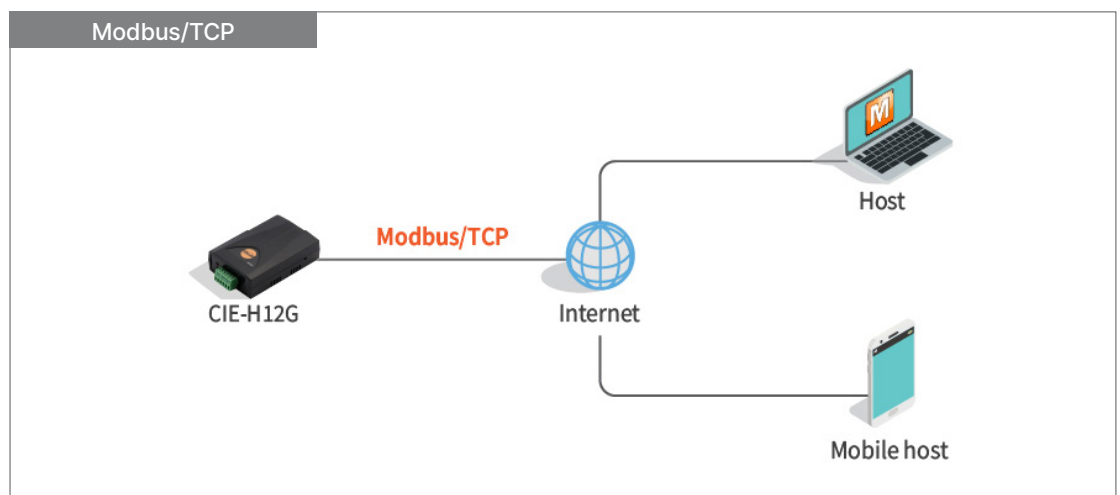
CIE-H12G detects ON/OFF by receiving digital output from sensors and controls output ports through remote requests.
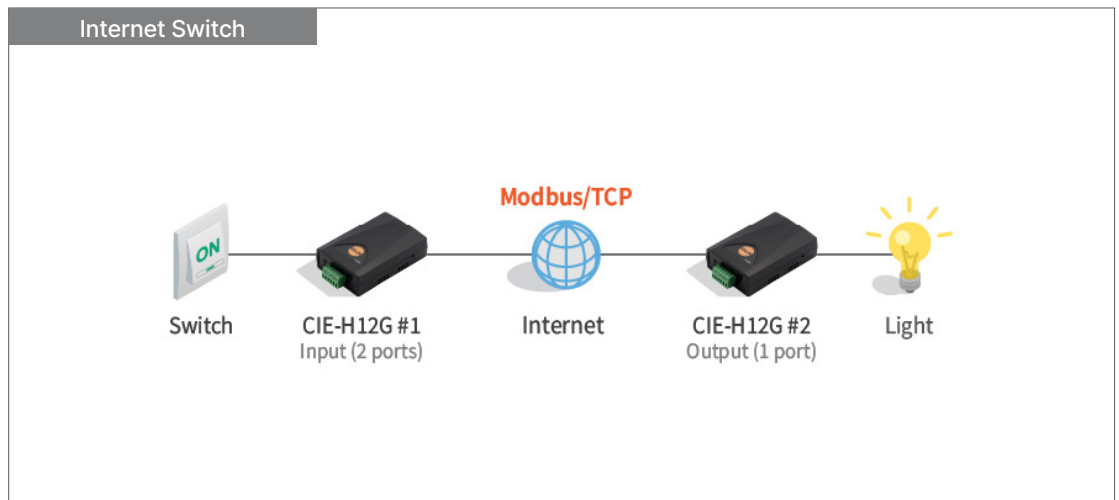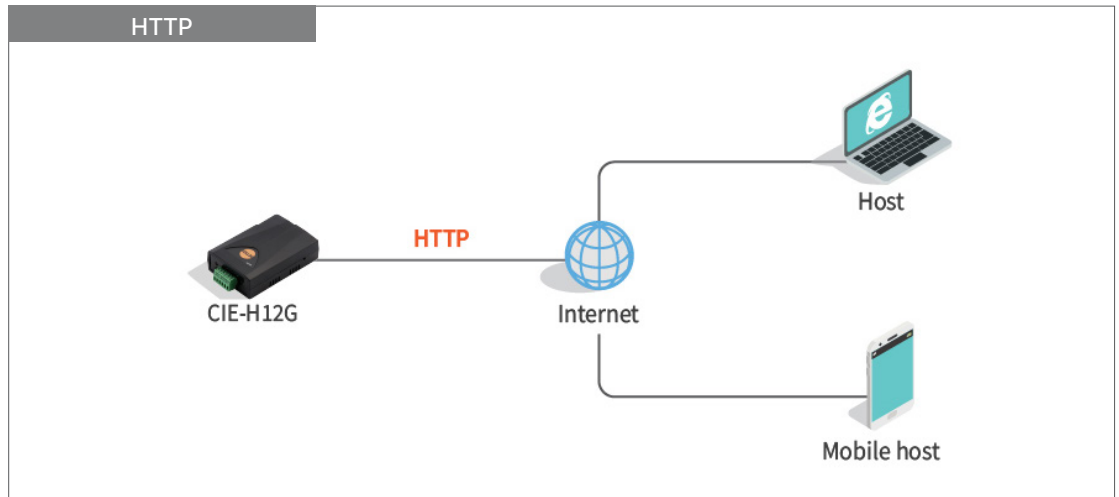It supports Modbus/TCP, HTTP, and macro functions for input/output control.

Features

· 2 digital input ports (dry contact and wet contact)
· 1 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)

System Diagram

System Diagram

HTTP

CIE-H12G — HTTP — Internet — Host / Mobile host

Internet Switch

Switch — CIE-H12G #1 Input (2 ports) — Modbus/TCP — Internet — CIE-H12G #2 Output (1 port) — Light

Specifications

Digital Input Port	
DRY Input	Isolated by a photo-coupler
	ON - short, OFF - open
WET Input	Isolated by a photo-coupler
	ON - over DC 4.5V, OFF - under DC 1.2V
	Maximum input voltage - DC 24V
Digital Output Port	
Interface	Isolated by a relay
	Type A (ON - short, OFF - open)
	Relay capacity - 5A (DC 28V, resistive load)
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
Security	IP & MAC filtering - Restrict host or network
	Password for Configuring
I/O Control Methods	Modbus/TCP, HTTP, Macro

Specifications

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