CIE-H14G | 4 Ports Remote I/O Controller

Overview

CIE-H14G provides the functionality of remotely monitoring digital output sensors, as well as controlling power supplies remotely.

CIE-H14G detects ON/OFF by receiving digital output from sensors and controls output ports through remote requests.
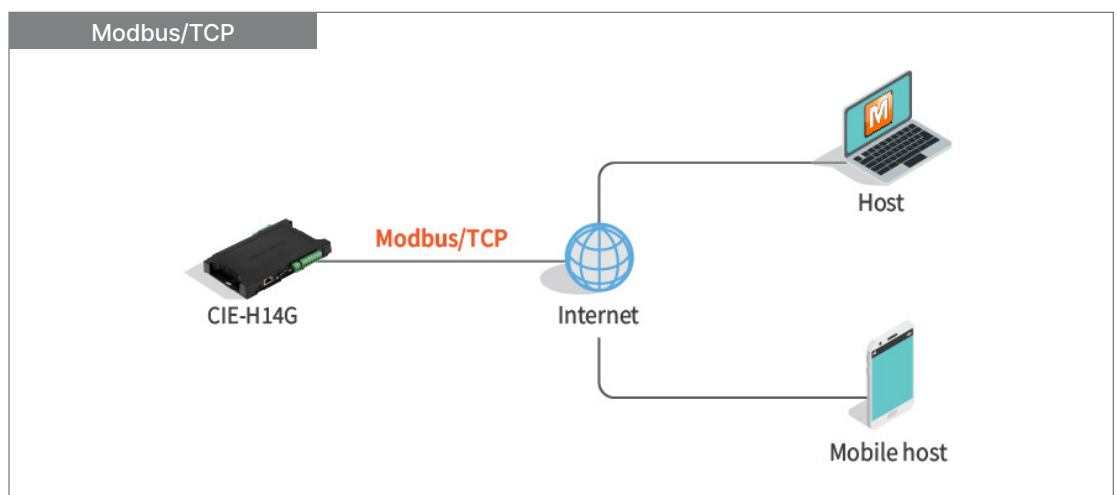It supports Modbus/TCP, HTTP, and macro functions for input/output control.
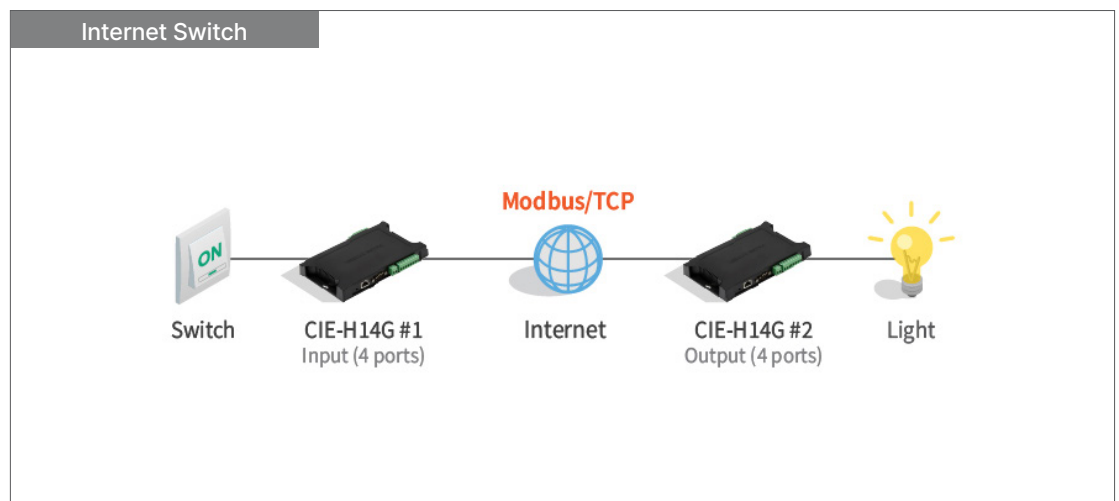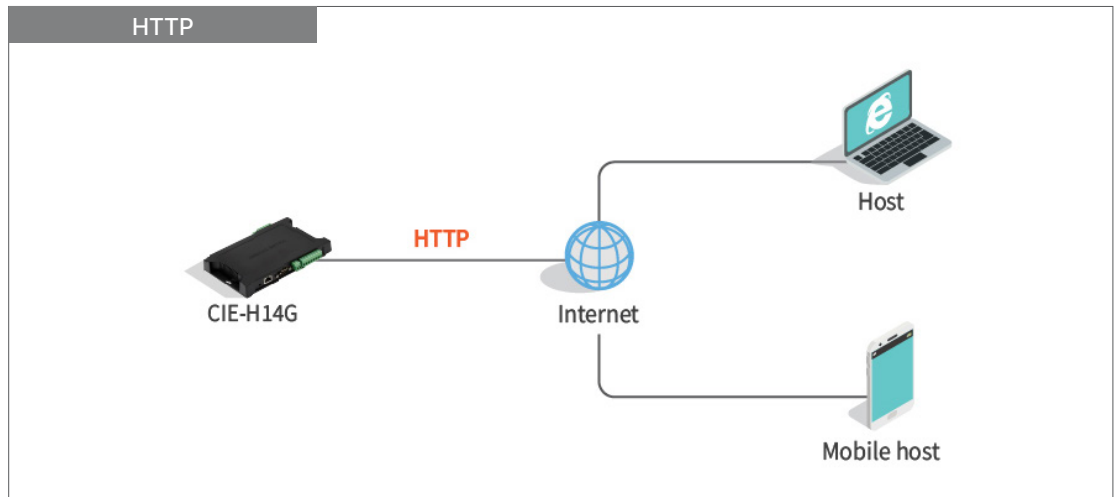Additionally, this product is equipped with an RS232 port for serial-ethernet conversion.

Features

· 4 digital input ports (photocoupler interface)

· 4 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

HTTP

CIE-H14G — HTTP — Internet — Host / Mobile host

Internet Switch

Switch — CIE-H14G #1 Input (4 ports) — Modbus/TCP — Internet — CIE-H14G #2 Output (4 ports) — Light

Specifications

Digital Input Port	
Interface	4 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	4 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, DSR, GND, DCD, RI
	±15KV ESD protection
Connector	DSUB 9-pin male
Baudrate	300bps ~ 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

Specifications

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 4, DO X 4
Supplementary Software	
ezManager	Configuration tool for Windows
ModMap	Management tool of I/O controllers for Windows
Dimension	
Size	174mm X 123mm X 28mm
Weight	Approximately 260g
Operating Environments	
Input Voltage	DC 8.5V ~38V
Current Consumption	2W typical
Operating Temperature	-40°C ~ +70°C
Storage Temperature	-40°C ~ +85°C