Data Sheet
CIE-H14 | 4 Ports Remote I/O Controller

Overview

CIE-H14 is an Ethernet remote I/O controller that has 4 photo coupler input ports and 4 relay output ports for sensors and actuators to monitor and control. This remote I/O controller is additionally equipped with a RS232 serial interface to allow your serial devices to establish an Ethernet networking connection. CIE-H14 mainly enables you to extend the distance of the I/O control system, therefore you are able to remotely control and monitor your I/O devices over the Internet from anywhere in the world.
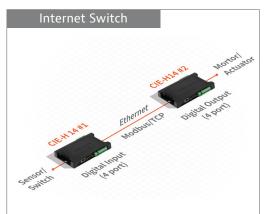
As well as with a simple management tool (ModMap), this remote I/O controller comes pre-loaded with a user web page, which is available to customize with your own graphic images, to ease control and surveillance on the website. Besides, a Macro function allows each relay output to be automatically controlled as set by simple logic formula.
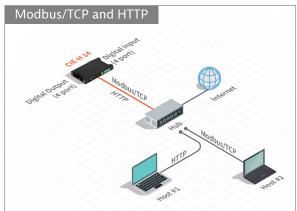
Since this Ethernet remote I/O controller has various methods to control relay outputs and monitor the inputs such as HTTP, Modbus/TCP and Serialized Modbus/TCP, it is available on various environments such as Remote PC Power Control, Internet Switch, etc.
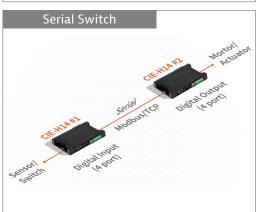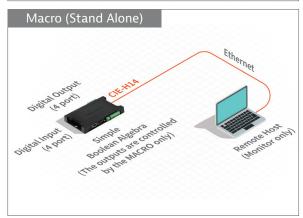
Features

· Wide range of power input (DC8.5V ~ 38V, polarity auto detection)
· Power input (terminal block)
· Dry contact adapter (optional)
· Modbus/TCP
· Controlled by simple logic formula operating autonomously
· Web-based control over custom web page
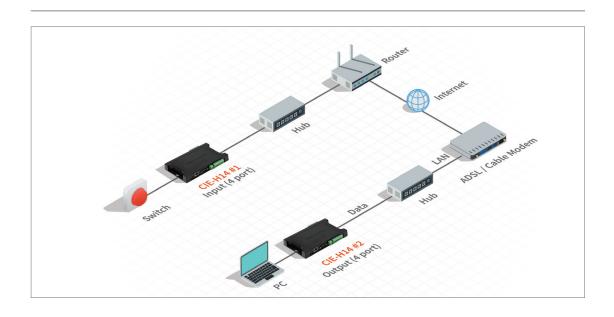· Used as Internet Switch
· Free mobile application

System Diagram

Internet Switch

Modbus/TCP and HTTP

Serial Switch

Macro (Stand Alone)

Application

Specifications

Digital Input Port	
Number of Ports	300bps ~ 230,400bps
Interface	Isolated by Photo-coupler
Electric Parameter	MAX VIL=1.2V, MIN VIH=4.5V
Maximum Input Voltage	DC 24V
Digital Output Port	
Number of Ports	4
Interface	Isolated by Relay
Relay Capacity	5A (DC28V)
Serial Physical Interface	
Serial Interface	1 x RS232 Port
	RXD, TXD, RTS, CTS, DTR, DSR, GND
	±15KV ESD Protection
Connector	DB9M Connector
Serial Port Properties	
Date Rate	300bps ~ 230,400bps
Data Bits	5, 6, 7, 8 bits
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 1.5, 2
Network Physical Interface	
Network Interface	10Base-T/100Base-TX Ethernet (RJ45)
	Ethernet Speed Auto Sense
	1:1 or Cross-over Cable Auto Sense
	1000 VAC Isolation
Software Functions	
Protocols	TCP, UDP, IP, ICMP, ARP, Ethernet, TELNET
	TFTP, DHCP, PPPoE, DNS, HTTP, Modbus/TCP
	Configuration and Monitoring Tool through Ethernet
	Telnet Login
Security	IP & MAC filtering - Restrict host or network
	Password for Configuring
Digital I/O Port Communication Mode	Modbus/TCP, HTTP, Stand alone (by simple equation)
Communication Mode	TCP Server (T2S)
	TCP Client (COD)
	TCP Server/Client with AT Command (ATC)
	UDP Mode (U2S)
Additional Functions	Remote Debug Function
	TCP Server/Client Mode
	Sending MAC address Option

Specifications

Indicators (LEDs)	
Power	Red
Status	Green
Ethernet Link	Green
Ethernet RXD	Green
Ethernet TXD	Green
Digital Input	Green x 4
Digital Output	Green x 4
Management	
ezManager	Configuration and Monitoring Tool through Network and Serial
Telnet	Telnet Login
AT Command	Configuring in ATC Mode
Supplementary Software	
ezManager	Configuration Tool for Windows
ezVSP	Serial to Network Virtual Driver for Windows
ModMap	Management Tool of I/O controllers for Windows
Dimension	
Size	174mm x 123mm x 28mm
Operating Environments	
Input Voltage	DC 8.5V ~ 38V
Power Consumption	3W typical
Operating Temperature	0℃ ~ +70℃
Storage Temperature	−40℃ ~ +85℃
Certificate	
KC	Registration (KN 22, KN 24)
CE	EMC 2014/30/EU, RoHS 2011/65/EU
FCC	FCC Part 15 Subpart B, Class A