# CIE-H12

(Remote I/O Controller)

Overview

CIE-H12 is a remote I/O controller which helps you monitor and control digital inputs and an output remotely over Ethernet (Internet). As supporting only 2 input ports and 1 output port, it would be economical for the site that has 1 to 2 devices to control and monitor. Since CIE-H12 has various methods for I/O control such as HTTP, Modbus/TCP, it is available on various environments.

Highlights

- Remote I/O controller
- Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
- 2 Digital Input ports (dry contact 1 port, wet contact 1 port)
- 1 Digital Output Port (relay interface)
- Access Restriction : IP and MAC address filtering, Password
- Stored Web server for simple management (custom web page)
- MACRO (stand-alone operation supports simple logical ex
   pressions)
- Supports Modbus/TCP

Icons
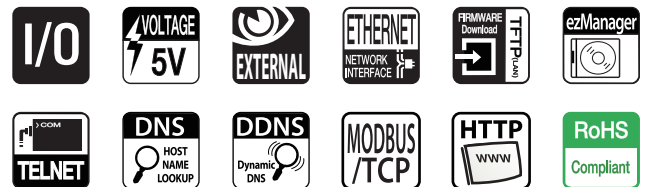
Applications
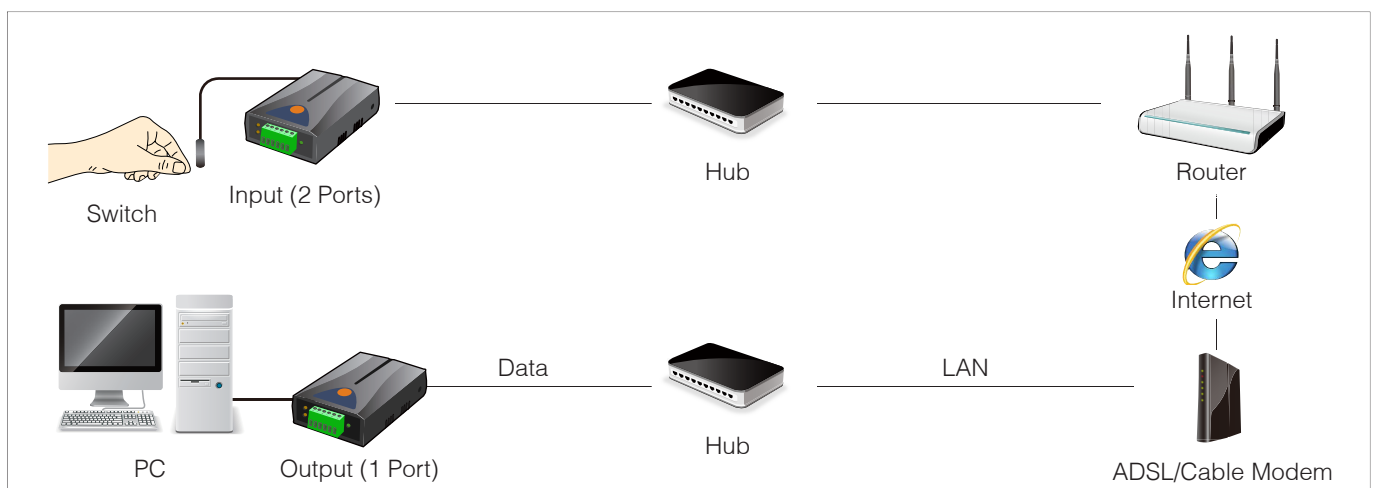
Specifications

Digital Input Port	
Number of Ports	2
Interface	Isolated by Photo-coupler
Electric Parameter	MAX VIL=1.2V, MIN VIH=1.8V
Maximum Input Voltage	DC 24V
Digital Output Port	
Number of Ports	1
Interface	Isolated by Relay
Relay Capcacity	5A (DC28V)
Network Physical Interface	
Network Interface	RJ45 (10Base-T/100Base-TX Ethernet)
	Ethernet Speed Auto Sense
	1:1 or Cross-over Cable Auto Sense
	1000 VAC Isolation
Software Functions	
Protocols	TCP, UDP, IP, ICMP, ARP, DHCP, PPPoE,
	DNS, DDNS, HTTP, Modbus/TCP
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),
	Remote Digital I/O
Additional Functions	Remote Debug Function
Indicators(LEDs)	
Status	Yellow, The current status
Ethernet Link/RXD/TXD	Green
Digital Input	Yellow x 2
Digital Output	Green
Management	
ezManager	Configuration and Monitoring Tool through Ethernet
Telnet	Telnet Login
Supplenetary Software	
ezManager	Configuration Tool for Windows
ModMap	Management of I/O controllers for Windows
Dimension	
Size	96mm x 57mm x 24mm

Operating Environment

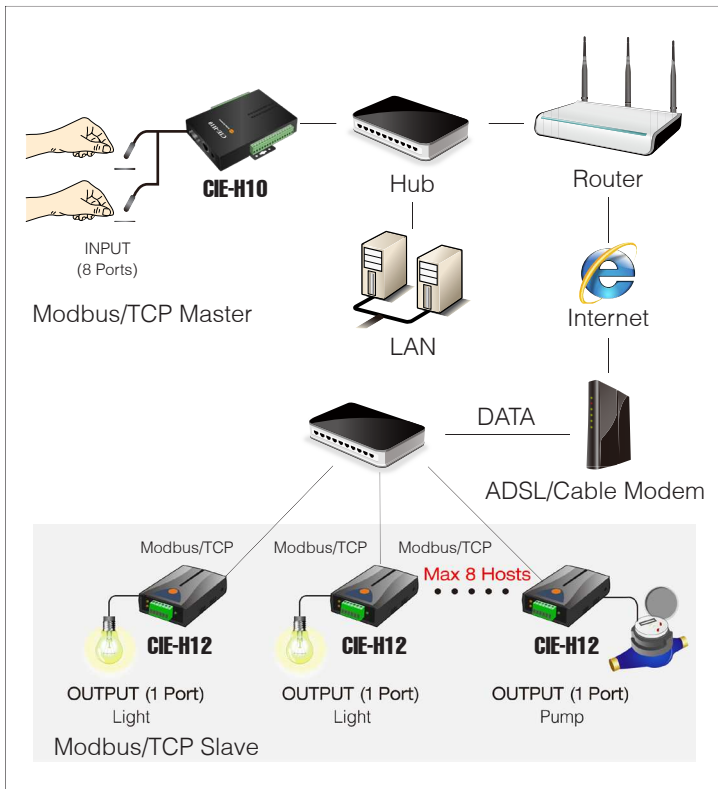|	
Input Voltage	DC 5±0.5V
Power Consumption	305mA typical
Operating Temperature	0℃ ~ +70℃
Storage Temperature	-40℃ ~ +85℃

System Diagram
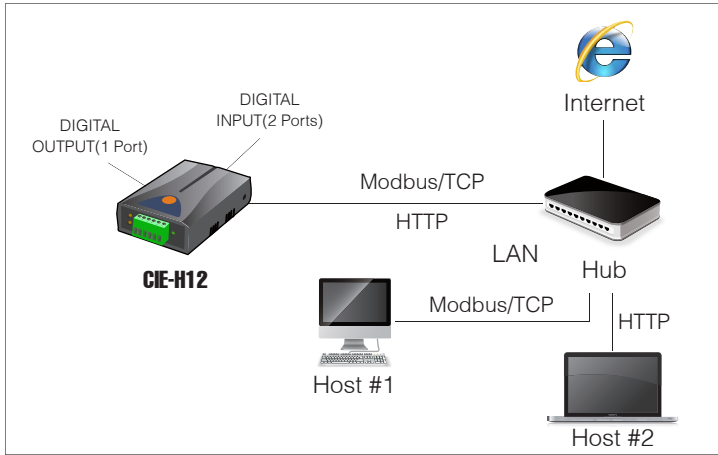
Modbus/TCP and HTTP
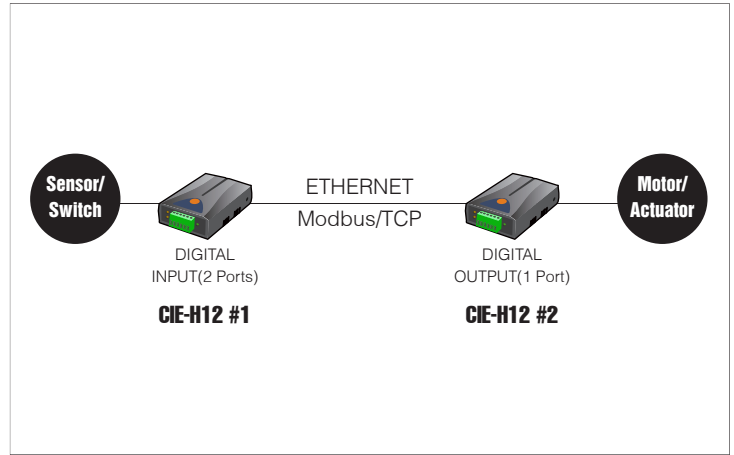
INTERNET SWITCH

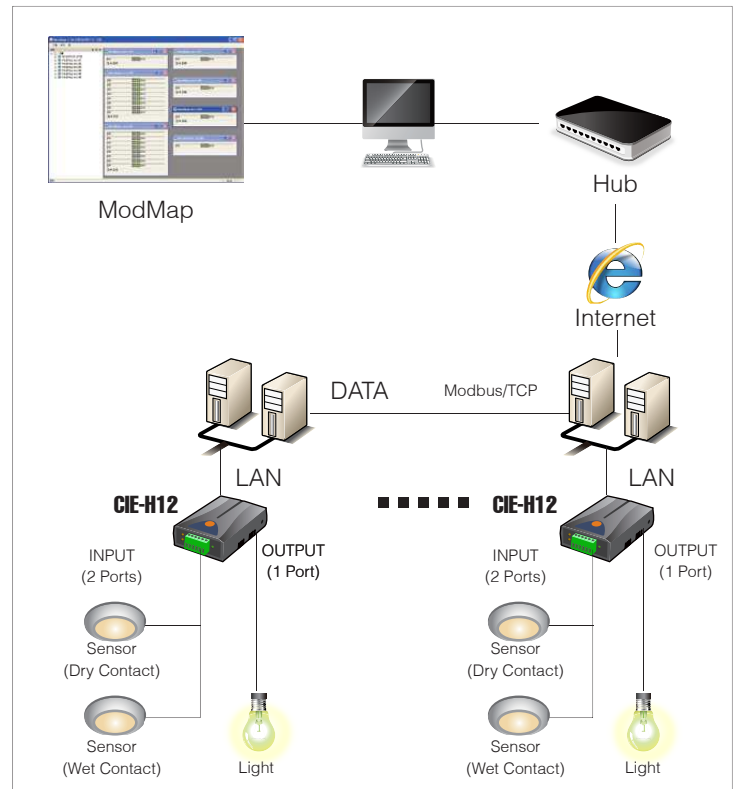**1: N Application with CIE-H10Modbus/TCP and HTTP**

MODBUS/TCP Device Management Application