

Data Sheet

# CIE-M10A | 8 Ports Remote I/O Controller



## Overview

CIE-M10A是由数字输入/输出端口各8个及1个模拟输入端口(ADC)构成的远程I/O控制模块, 用户可通过因特网对连接在各端口的设备进行监视/控制。

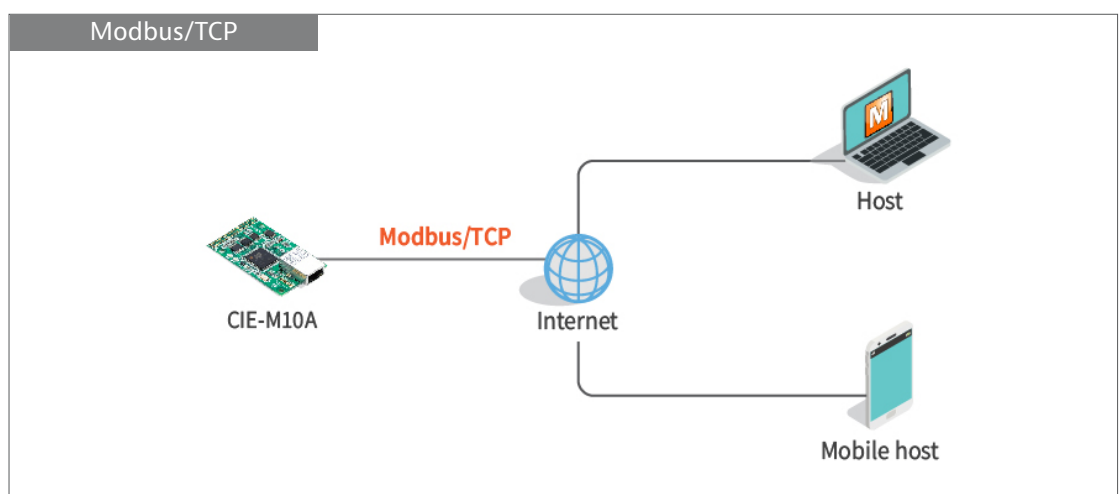
CIE-M10A通过Modbus/TCP或HTTP方式通信。选择Modbus/TCP方式的情况,可使用免费软件ModMap或是使用支持Modbus/TCP的HMI软件。HTTP方式的情况使用WEB,WEB可根据符合客户用途进行变更。另外, 提供通过简单的逻辑式, 控制输出端口的Macro功能。

不仅如此, 因还提供串行↔TCP/IP转换功能, 可当有线串口联网服务器使用。

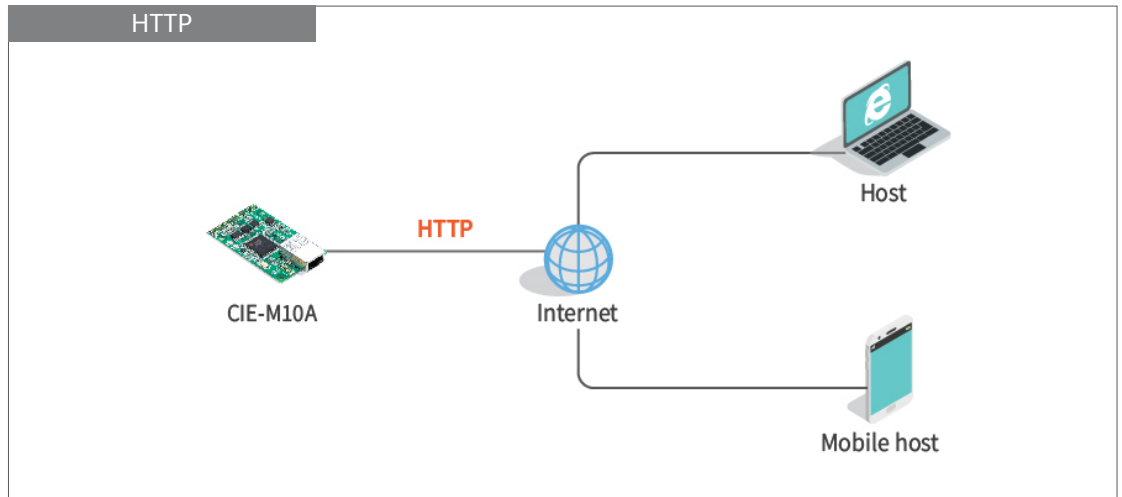
## Features

- 8个数字输入端口 (3.3V CMOS接口)
- 8个数字输出端口 (3.3VCMOS接口)
- 1个ADC端口 (10字节)
- 支持Modbus/TCP
- 支持WEB(HTTP)
- 可应用于因特网开关
- 无偿提供监视/控制软件
- 支持串口↔TCP/IP转换功能

## System Diagram



# System Diagram



# Specifications

Digital Input Port	
Interface	8 x 3.3V CMOS
Electric Parameter	Min VIL = -0.3V, Max VIL = 0.8V
	Min VIH = 2.0V, Max VIH = 5.5V
Digital Output Port	
Interface	8 x 3.3V CMOS
Electric Parameter	Min VOH = 2.9V, Max VOL = 0.4V
Analog Input Port	
Interface	1 x 10bit ADC
	ADIN, ADVREF
Electric Parameter	Min ADVREF=2.6V, Max ADVREF=3.3V
	ADIN's Input Voltage Range = 0V ~ ADVREF
Conversion Time	2.33us
Serial Port	
Interface	1 x UART
	RXD, TXD, RTS, CTS, GND
Electric Parameter	Min VIL = -0.3V, Max VIL = 0.8V
	Min VIH = 2.0V, Max VIH = 5.5V
	Min VOH = 2.9V, Max VOL = 0.4V
Baudrate	300 ~ 230,400 [bps]
Data Bits	5, 6, 7, 8
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 1.5, 2
Ethernet Port	
Interface	10Base-T/100Base-TX Ethernet (RJ45)
	10M/100M auto sense
	1:1 or Cross-over cable auto sense

# Specifications

Software Functions	
Protocol	Modbus/TCP, HTTP, TCP, UDP, IP, ICMP, ARP, DHCP, PPPoE, TELNET, TFTP, DNS, DDNS
Security	IP & MAC filtering Password for configuring
Controlling/Monitoring Method	Modbus/TCP, HTTP, Macro
Serial Port Communication Mode	TCP server, TCP client, UDP, AT command
Indicators	
System LED	PWR , STS(RJ45-Yellow), LINK(RJ45-Green)
I/O Port LED	Do0
Supplementary Software	
ezManager	Configuration tool for Windows
ModMap	Management tool of I/O controllers for Windows
Dimension	
Size	64.4 x 40 x 17 [mm]
Weight	16g
Operating Environments	
Input Voltage	DC 3.3V±0.3V
Current Consumption	78mA (typical condition)
Operating Temperature	-40 ~ +85 [°C]
Storage Temperature	-40 ~ +85 [°C]