

## **Modbus Gateways**

Product Model: MOD1002-Lite (Guide Way) MOD1002-Lite-B (Wall-Hanging)

### **Functional description :**

X2Modbus - Lite is a very powerful protocol conversion gateway, the X here on behalf of all kinds of standard Modbus protocol Modbus protocol and the target, 2 is the To harmonics said conversion, the Modbus is eventually support is a standard protocol The user can according to the field device configuration, communication protocol of into standard ModbusRTU and Modbus TCP protocol Note that this gateway acquisition end and forward the Modbus register base address is from 1 (Base1).

### **Application Fields :**

Modbus gateway MOD1002 - Lite (1 ethernet 2 serial ports) user support a variety of standard Modbus protocol Modbus protocol and the target is converted into a standard Modbus RTU and Modbus TCP, For the solution of Citect、ifixes、RSVIEW、WINCC、Kingview、e-Control and other configuration software cannot connect the problems of some unusual control devices. For example, DDC、PLC central air conditioning、Precision air conditioning、elevatoSr、fire lighting、control system electric、electric meter、water meter, etc .

### **Runtime environment :**

OS : Windows XP/ 2000/2003/2003 /Win 7/Win 8/Win 10/Win Server 2003/Win Server2008/Win Vista.

Browser : IE9 ( and above ) 、 Safari、 Google Chrome、 firefox、 Opera etc.

### **Register Type&Num**

Modbus Gateways supports Modbus RTU/TCP server , The register type and number of the supported registers are shown below :

Note: the number of gateway registers is dynamically supported, and 256 points can be built for each register.

<b>Modbus Register Types</b>	<b>Modbus Register number</b>
0X ( Read & Write )	256 ( 1~256 )
1X ( Read only )	256 ( 1~256 )
4X ( Read & Write )	256 ( 1~256 )
3X ( Read only )	256 ( 1~256 )

# MOD1002-Lite

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### Software Features:

- Green and free installation, support both Chinese and English;
- Support various Modbus protocols and non-standard Modbus protocols to Modbus TCP or Modbus RTU servers;
- Support WEB browsing, viewing, setting, monitoring and control;
- Support for linear transformation, location, and high and low byte conversion;
- Support for internal variable functions, Support to view the device from online status;
- Support 0X 1X 3X 4X four register types;
- Configuration software x2modbus-lite configuration engineering is convenient, the 256 dots will be completed within 10 minutes;
- Add a new private protocol to support Modbus, which can be completed within 2 weeks;

### Hardware parameter:

CPU: 240MHZ	Power: AC/DC 9~24V
Memory: 32M High performance memory	Size (L×W×H) : 129*109*27mm (Wall-Hanging) 129*86*34mm (Guide Way)
System: LINUX	Weight: 200g
Watts: 5W	Material: Aluminum Cover
Interface : 1Ethernet 2Serial Ports (RS485 & RS232)	Setup: Wall-Hanging (MOD1002-Lite-B) Guide Way (MOD1002-Lite)
Flash: 128M	Temperature: -40~85°C (working) -40~85°C (storage and transportation)
Network: 1 High-performance 100M/10M adaptive Industrial Network Card, support AUTO MDI/MDIX	Humidity: 20% ~ 90%, no condensation (work), 15% ~ 95%, no condensation (storage and transportation)

MOD1002-Lite

MOD1002-ARM

MOD2004-Lite

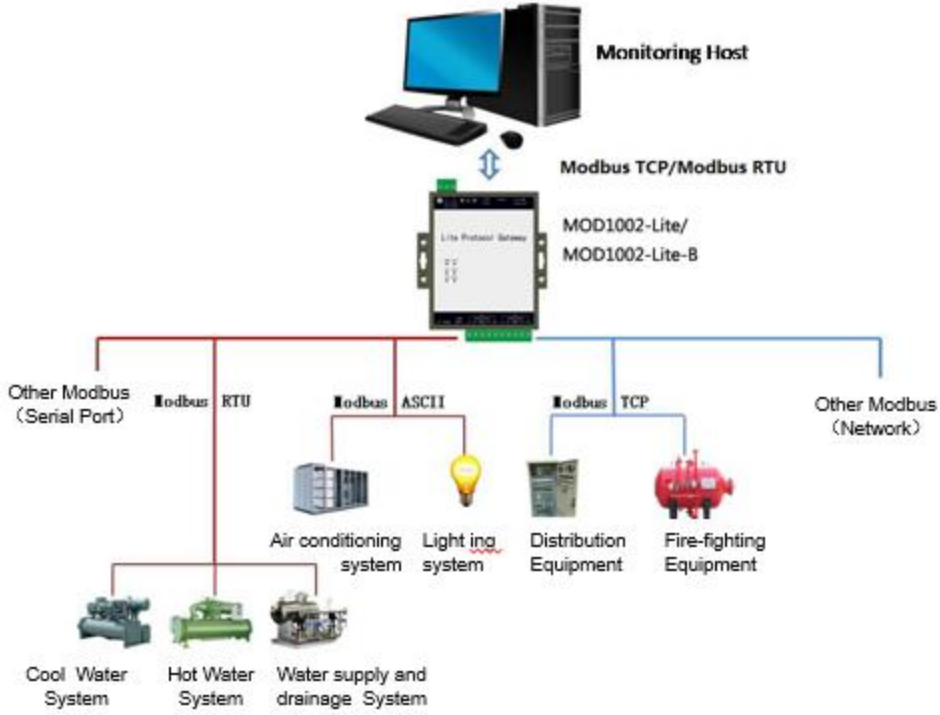
MOD2004-ARM

MOD2004-A9

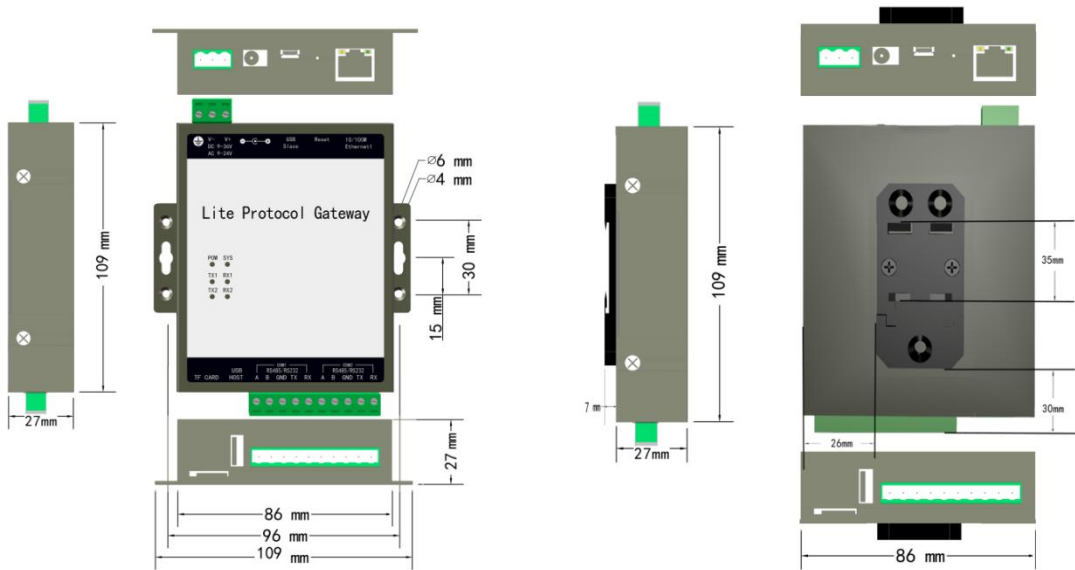
MOD2004-WEB

MOD1022-1U

## Application Principle Diagram



## Product Size



MOD1002-Lite-B (Wall-Hanging)

MOD1002-Lite (Guide Way)