



Modbus

Modbus Gateways  
help Industrial Automation  
to integrate, to achieve  
interoperability

X2Modbus Easy to Configure



## Modbus Gateways

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Model	Supported Points	Supported Devices	Supported Protols	Interfaces
MOD1002-Lite	256	64	Modbus	1 ethernet 2 serial ports
MOD1002-ARM	256	64	close to 200	1 ethernet 2 serial ports
MOD2004-Lite	1024	128	Modbus	2 ethernet 4 serial ports
MOD2004-ARM	1024	128	close to 200	2 ethernet 4 serial ports
MOD2004-A9	5120	128	close to 200	2 ethernet 4 serial ports
MOD2004-WEB	5120	128	close to 200	2 ethernet 4 serial ports
MOD1022-1U	1024	64	close to 200	1 ethernet 2 serial ports

MOD1002-Lite

MOD1002-ARM

MOD2004-Lite

MOD2004-ARM

MOD2004-A9

MOD2004-WEB

MOD1022-1U

## 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.

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

## Modbus Gateways

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



### 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

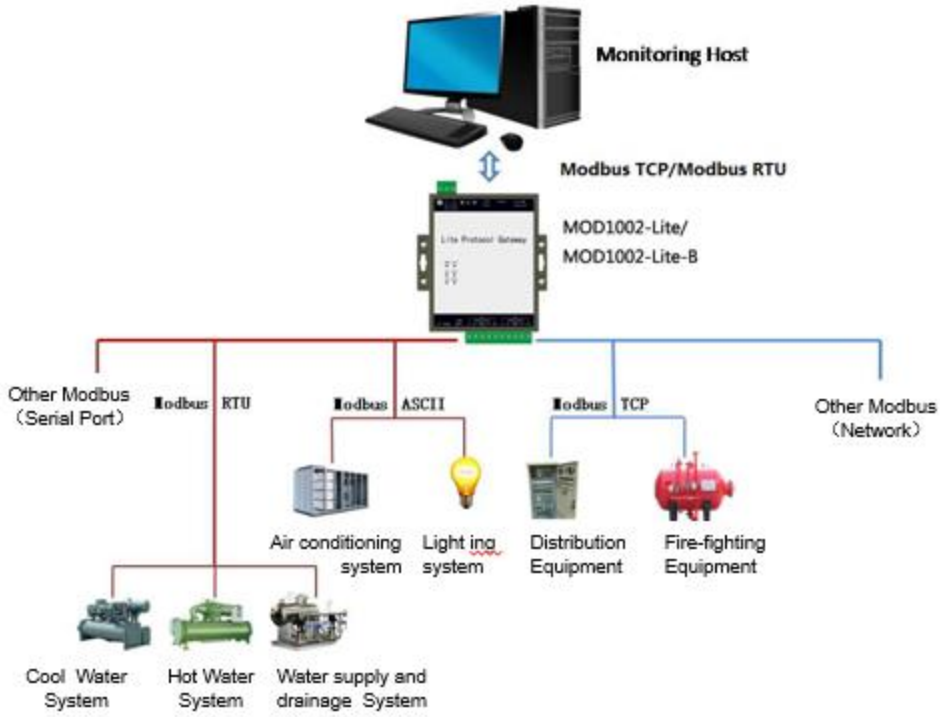
MOD2004-ARM

MOD2004-A9

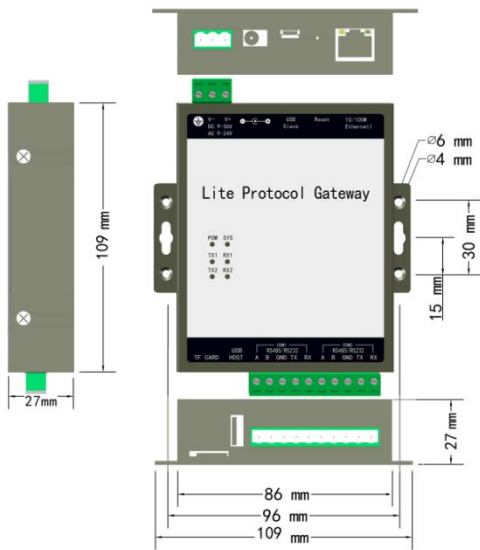
MOD2004-WEB

MOD1022-1U

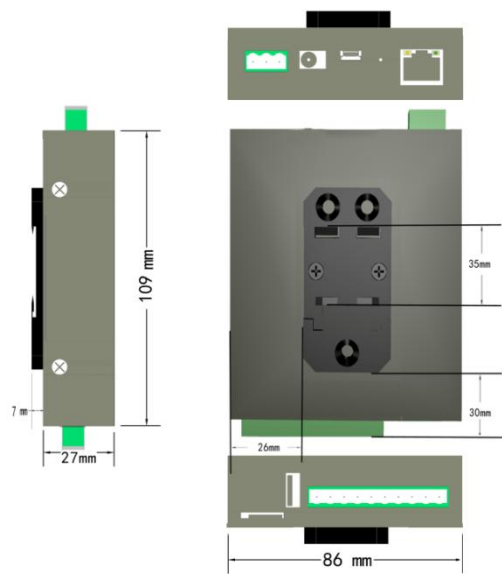
Application Principle Diagram



Product Size



MOD1002-Lite-B (Wall-Hanging)



MOD1002-Lite (Guide Way)

- MOD1002-Lite
- MOD1002-ARM
- MOD2004-Lite
- MOD2004-ARM
- MOD2004-A9
- MOD2004-WEB
- MOD1022-1U

## Modbus Gateways

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

**Functional description :** X2Modbus is a hardware Gateway with 1 ethernet and 2 serial ports. Matching software is X2Modbus . X means all kinds of protocols from different manufacturer. These protocols(X) can be converted by Modbus hardware Gateway into standard Modbus. Configured project files by Modbus are uploaded to hardware gateway, users can read/write point informations from different manufacturer by Modbus system. Note that this gateway acquisition end and forward the Modbus register base address is from 1 (Base1).

**Application Fields :** Modbus gateway MOD1002-ARM ( 1 ethernet 2 serial ports ) supports multiple protocol transformations , 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.

Modbus Register Types	Modbus Register number
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

MOD1002-ARM

MOD2004-Lite

MOD2004-ARM

MOD2004-A9

MOD2004-WEB

MOD1022-1U

## Modbus Gateways

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



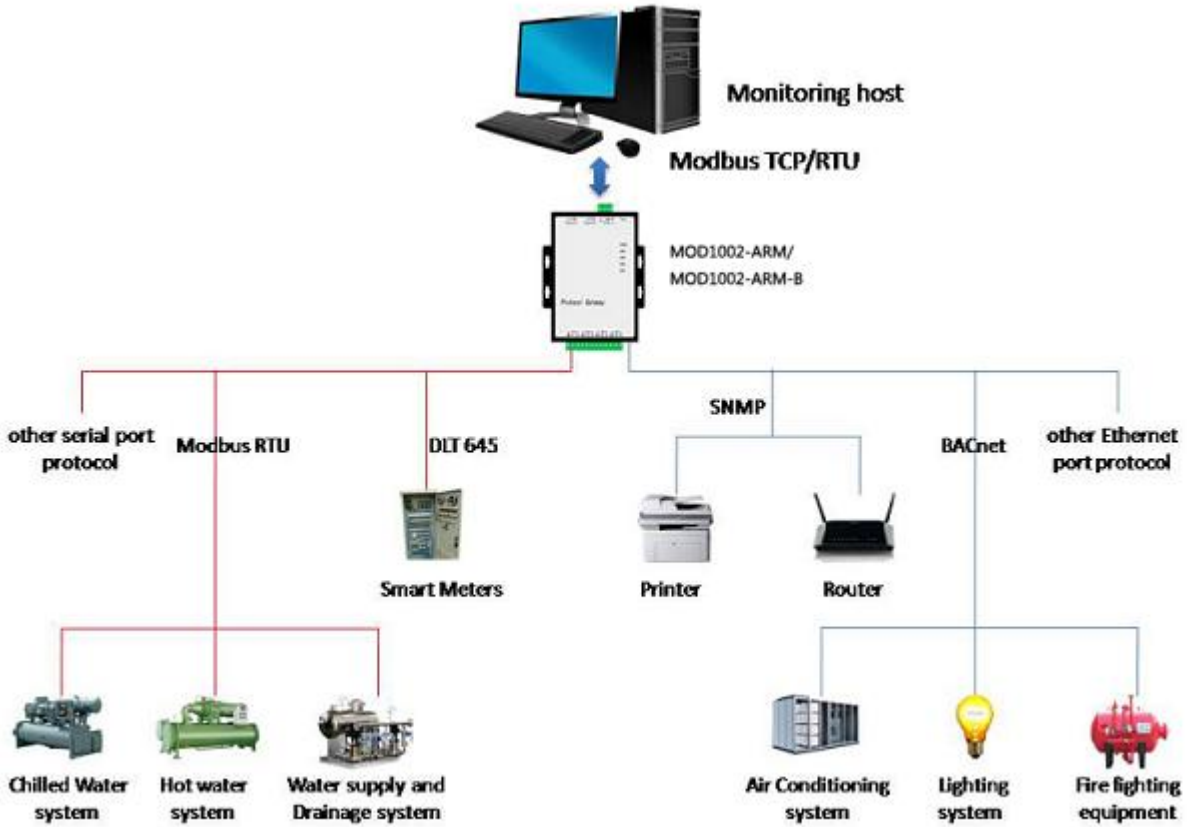
### Software Features:

- Green and free installation, support both Chinese and English;
- close to 200 protocols can be converted into ModbusRTU and ModbusTCP server;
- 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 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;

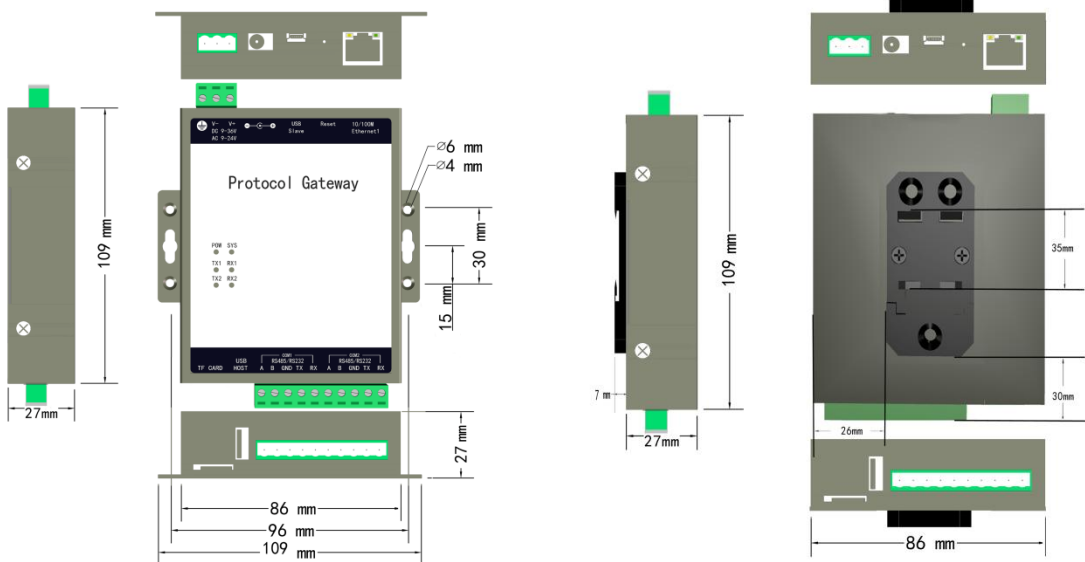
### Hardware parameter:

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-ARM-B) Guide Way (MOD1002-ARM)
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)

Application Principle Diagram



Product Size



MOD1002-ARM-B (Wall-Hanging)

MOD1002-ARM (Guide Way)

- MOD1002-Lite
- MOD1002-ARM
- MOD2004-Lite
- MOD2004-ARM
- MOD2004-A9
- MOD2004-WEB
- MOD1022-1U

MOD1002-Lite

MOD1002-ARM

MOD2004-Lite

MOD2004-ARM

MOD2004-A9

MOD2004-WEB

MOD1022-1U

## Modbus Gateways

Product Model : MOD2004-Lite

### **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 MOD2004-Lite(2 ethernet 4 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, In addition to the serial port equipment into the Modbus, such as serial port server so equipment can also be converted to the Modbus in addition the most important thing is: can the N equipment into a device to the PC software, such as replacement MOXA serial port server perfect products.

### **Runtime environment :**

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

Browser : The hardware gateway comes with a WEB server, IE9 ( and above ) , Safari、Google Chrome、firefox、Opera etc.

### **Register Type&Num**

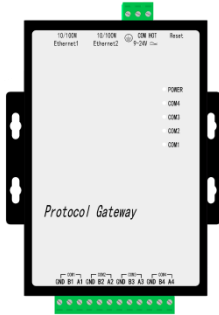
Modbus Gateways supports Modbus RTU/TCP server , The register type and number of the supported registers are shown below:

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

Modbus Register Types	Modbus Register number
0X ( Read & Write )	1024(1~1024)
1X ( Read only )	1024(1~1024)
4X ( Read & Write )	1024(1~1024)
3X ( Read only )	1024(1~1024)

## Modbus Gateways

Product Model : MOD2004-Lite



### 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 : 400MHZ	Power : AC/DC 9-24V
Memory : 64M High performance memory	Size(L×W×H) : 160*116*37mm
System : WINCE	Weight : 500g
Watts : 7W	Material : carbon steel
Interface : 2Ethernets 4Serial Ports(4 RS485)	Setup : Guide Way 、 Wall-hanging
Flash : 256M	Temperature : -30 ~ 75°C(working) -40 ~ 85°C(storage and transportation)
Network: 2 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

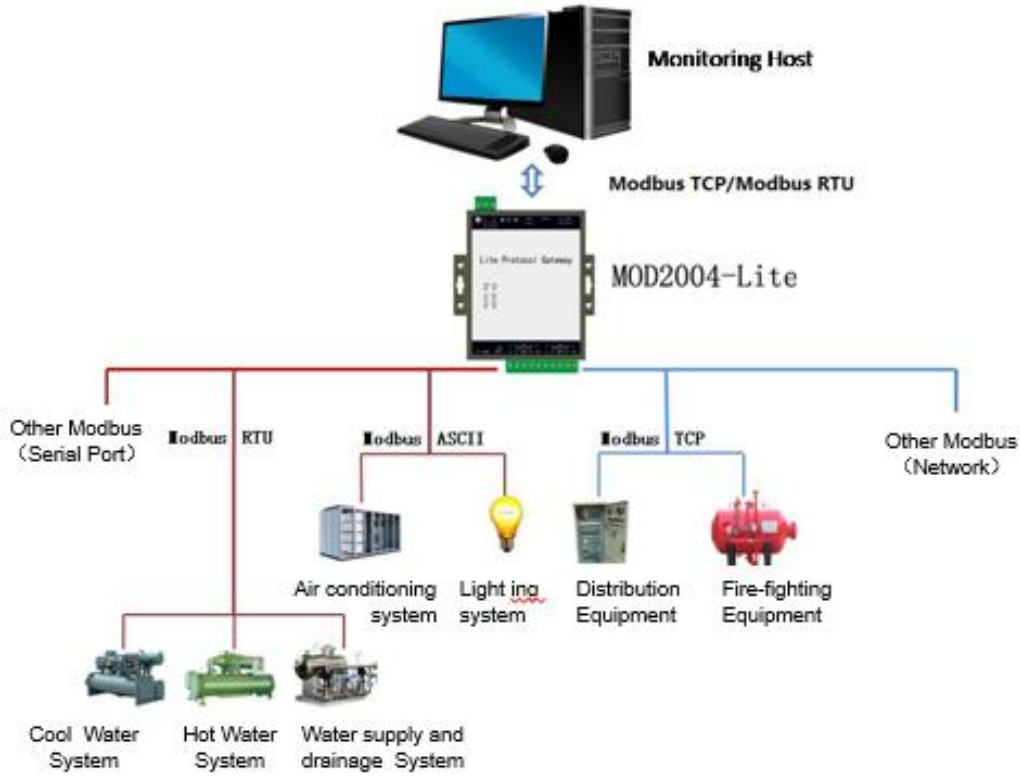
MOD2004-ARM

MOD2004-A9

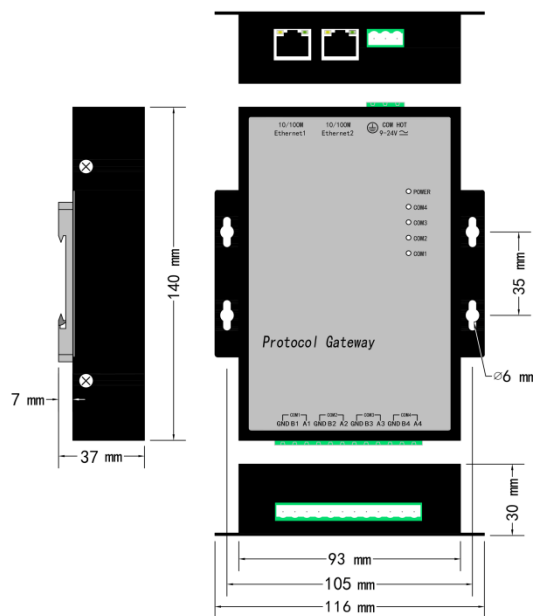
MOD2004-WEB

MOD1022-1U

Application Principle Diagram



Product Size



MOD2004-Lite (Wall-Hanging/Guide Way)

## Modbus Gateways

Product Model : MOD2004-ARM

**Functional description :** X2Modbus is a hardware Gateway with 1 ethernet and 2 serial ports. Matching software is X2Modbus . X means all kinds of protocols from different manufacturer. These protocols(X) can be converted by Modbus hardware Gateway into standard Modbus. Configured project files by Modbus are uploaded to hardware gateway, users can read/write point informations from different manufacturer by Modbus system. Note that this gateway acquisition end and forward the Modbus register base address is from 1 (Base1).

**Application Fields :** Modbus gateway MOD2004-ARM ( 2 ethernet 4 serial ports, It actually only USES 1 mesh ) supports multiple protocol transformations , 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 1024 points can be built for each register.

Modbus Register Types	Modbus Register number
0X ( Read & Write )	1024(1~1024)
1X ( Read only )	1024(1~1024)
4X ( Read & Write )	1024(1~1024)
3X ( Read only )	1024(1~1024)

MOD1002-Lite

MOD1002-ARM

MOD2004-Lite

MOD2004-ARM

MOD2004-A9

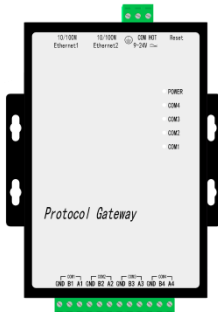
MOD2004-WEB

MOD1022-1U

- MOD1002-Lite
- MOD1002-ARM
- MOD2004-Lite
- MOD2004-ARM
- MOD2004-A9
- MOD2004-WEB
- MOD1022-1U

## Modbus Gateways

Product Model : MOD2004-ARM



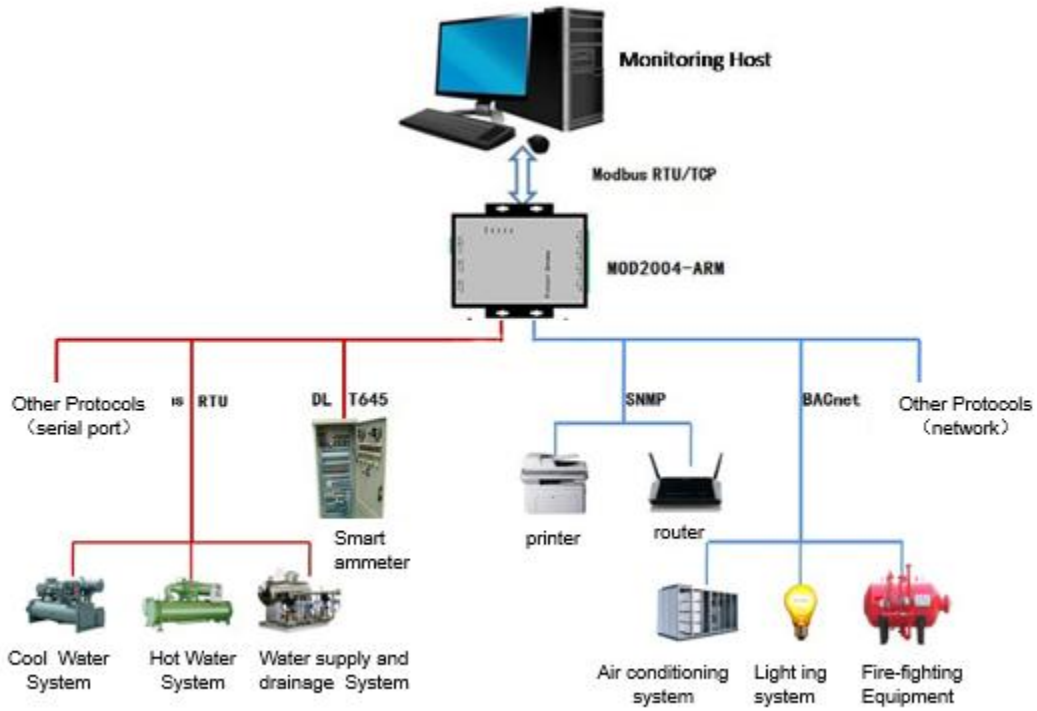
### Software Features:

- Green and free installation, support both Chinese and English;
- close to 200 protocols can be converted into ModbusRTU and ModbusTCP server;
- 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 configuration engineering is convenient,the 1024 dots will be completed within 10 minutes;
- Add a new private protocol to support Modbus, which can be completed within 2 weeks;

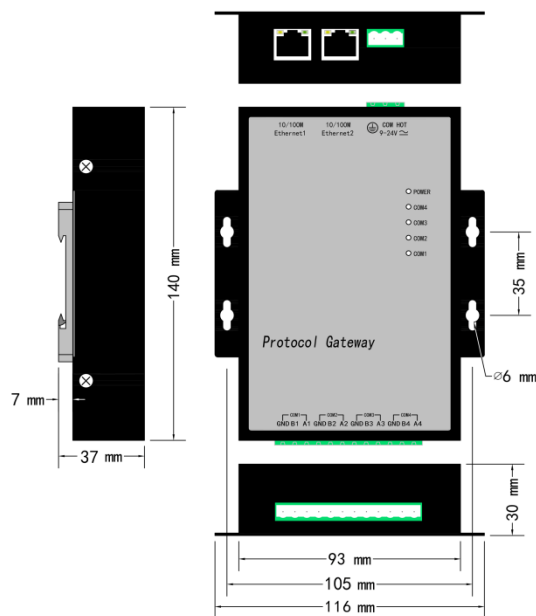
### Hardware Parameter :

CPU : 400MHz	Power : AC/DC 9-24V
Memory : 64M High performance memory	Size (L×W×H) : 160*116*37mm
System : WIN CE	Weight : 500g
Watts : 7W	Material: carbon steel
Interface : 2Ethernets 4Serial Ports(4 RS485)	Setup : Guide Way 、 Wall-hanging
Flash : 256M	Temperature : -30 ~ 75°C(working) -40 ~ 85°C(storage and transportation)
Network: 2 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)

Application Principle Diagram



Product Size



MOD2004-ARM (Wall-Hanging/Guide Way)

- MOD1002-Lite
- MOD1002-ARM
- MOD2004-Lite
- MOD2004-ARM**
- MOD2004-A9
- MOD2004-WEB
- MOD1022-1U

MOD1002-Lite

MOD1002-ARM

MOD2004-Lite

MOD2004-ARM

MOD2004-A9

MOD2004-WEB

MOD1022-1U

**Modbus Gateways**

Product Model : MOD2004-A9 (Guide Way) MOD2004-A9-B (Wall-Hanging)

**Functional description :** X2Modbus is a hardware Gateway with 1 ethernet and 2 serial ports. Matching software is X2Modbus . X means all kinds of protocols from different manufacturer. These protocols(X) can be converted by Modbus hardware Gateway into standard Modbus. Configured project files by Modbus are uploaded to hardware gateway, users can read/write point informations from different manufacturer by Modbus system. Note that this gateway acquisition end and forward the Modbus register base address is from 1 (Base1).

**Application Fields :** Modbus gateway MOD2004-A9 ( 2 ethernet 4 serial ports, It actually only USES 1 mesh ) supports multiple protocol transformations , 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 5120 points can be built for each register.

Modbus Register Types	Modbus Register number
0X ( Read & Write )	5120(1~5120)
1X ( Read only )	5120(1~5120)
4X ( Read & Write )	5120(1~5120)
3X ( Read only )	5120(1~5120)

## Modbus Gateways

Product Model : MOD2004-A9 (Guide Way) MOD2004-A9-B (Wall-Hanging)



### Software Features:

- Green and free installation, support both Chinese and English;
- close to 200 protocols can be converted into ModbusRTU and ModbusTCP server;
- 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 configuration engineering is convenient,the 5120 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 : 1.4GHz	Power : AC/DC 9-24V
Memory : 512M High performance memory	Size(L×W×H) : 142*112*28mm(Wall-hanging) 142*91*35mm(Guide Way)
System : LINUX	Weight : 250g
Watts : 5W	Material : Aluminum Cover
Interface : 2Ethernets 4Serial Ports(4RS485)	Setup : Wall-hanging (MOD2004-A9-B) Guide Way (MOD2004-A9)
Flash : 4GB	Temperature : -40 ~ 85°C(working) -40 ~ 85°C(storage and transportation)
Network: 2 High-performance 100M/10M adaptive Industrial Network Cards, support AUTO MDI/MDIX	Humidity: 20% ~ 90%, no condensation (work), 15% ~ 95%, no condensation (storage and transportation)

MOD1002-Lite

MOD1002-ARM

MOD2004-Lite

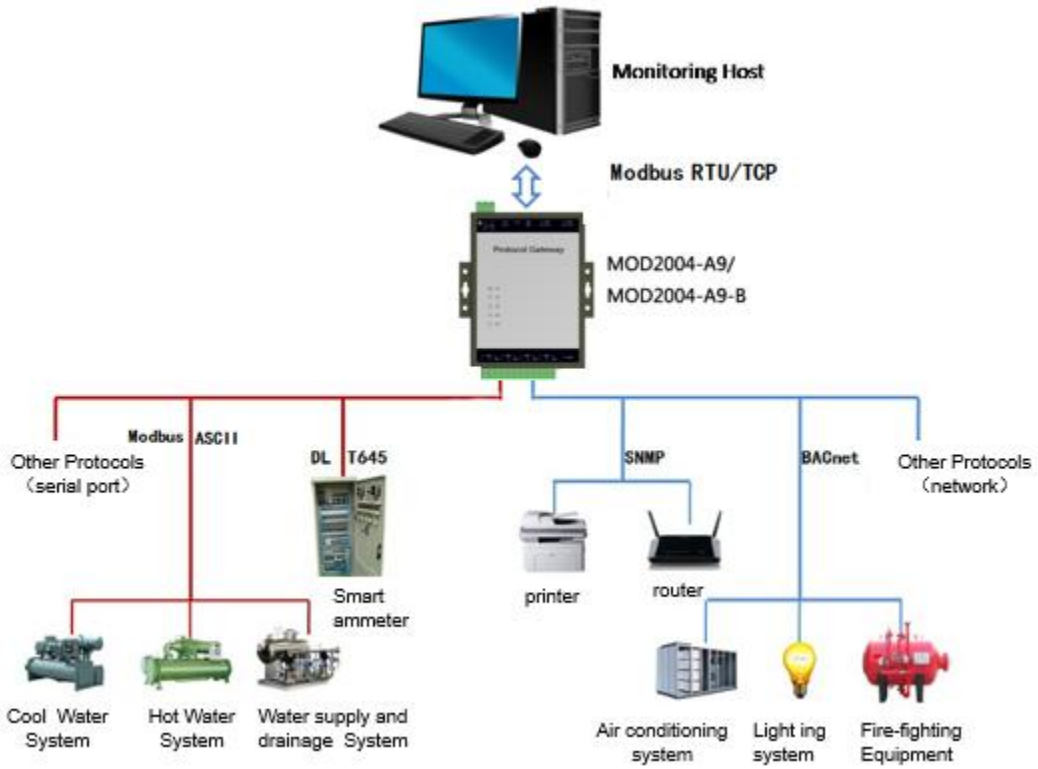
MOD2004-ARM

MOD2004-A9

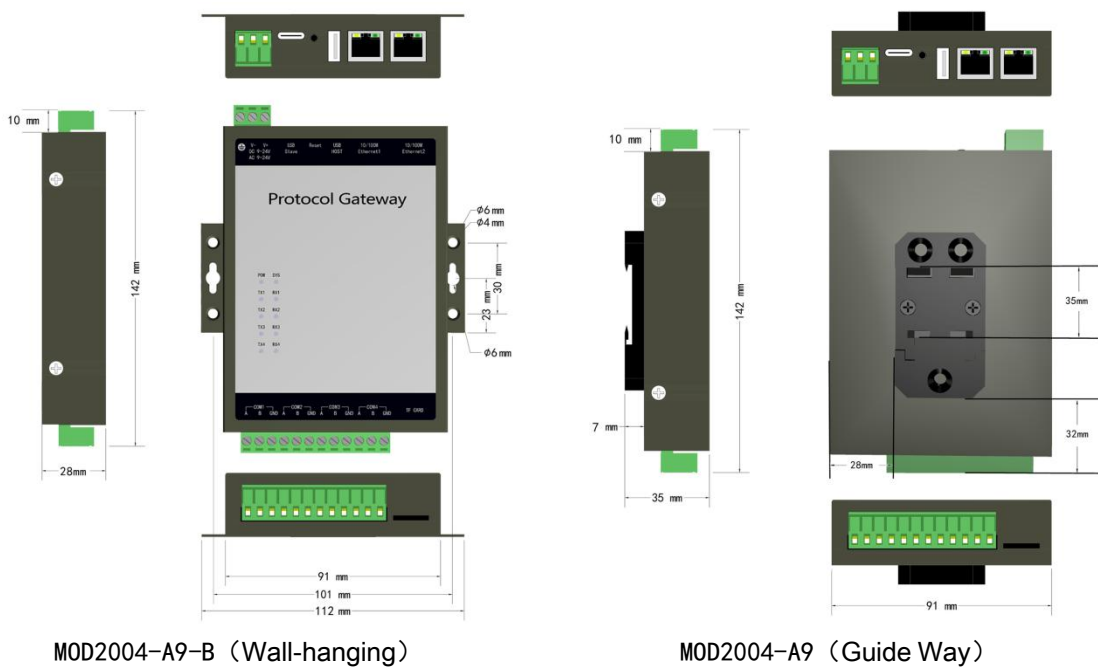
MOD2004-WEB

MOD1022-1U

Application Principle Diagram



Product Size



MOD1002-Lite

MOD1002-ARM

MOD2004-Lite

MOD2004-ARM

MOD2004-A9

MOD2004-WEB

MOD1022-1U

## Modbus Gateways

Product Model: MOD2004-WEB (Guide Way) MOD2004-WEB-B (Wall-hanging)

**Functional description :** X2Modbus - cloud is a very powerful protocol conversion gateway, where X represents different communication protocols, 2 is the To harmonics said conversion, the Modbus is ultimately support the standard protocol is Modbus protocol The user can according to the field device configuration, communication protocol of the user use X2Modbus - cloud hardware gateway, can collect data to the field this equipment X2Cloud cloud platform, realize the remote data monitoring, at the same time a X2Cloud software can manage multiple Modbus gateway hardware at the same time, running stability, communication efficiency

**Application Fields :** Modbus gateway MOD2004-WEB ( 2 ethernet 4 serial ports, It actually only USES 1 mesh ) supports multiple protocol transformations , Used to solve the field data need to go outside network, remote monitoring site equipment , 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、PrelevatoSr、fire lighting、control system electric、electric meter、water meter, etc . ecision air conditioning、 Upload the device data to the cloud platform .

### **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**

Modbus2004-web cloud gateway supports the collection of on-site device data to be transferred to the cloud server, and the modbus-web cloud gateway has the support of the register type and number of the following tables:

Note: the number of gateway registers is dynamically supported, and 5120 points can be built for each register.

Modbus Register Types	Modbus Register number
0X ( Read & Write )	5120(1~5120)
1X ( Read only )	5120(1~5120)
4X ( Read & Write )	5120(1~5120)
3X ( Read only )	5120(1~5120)

MOD1002-Lite

MOD1002-ARM

MOD2004-Lite

MOD2004-ARM

MOD2004-A9

MOD2004-WEB

MOD1022-1U

MOD1002-Lite

MOD1002-ARM

MOD2004-Lite

MOD2004-ARM

MOD2004-A9

MOD2004-WEB

MOD1022-1U

## Modbus Gateways

Product Model: MOD2004-WEB (Guide Way) MOD2004-WEB-B Wall-hanging)



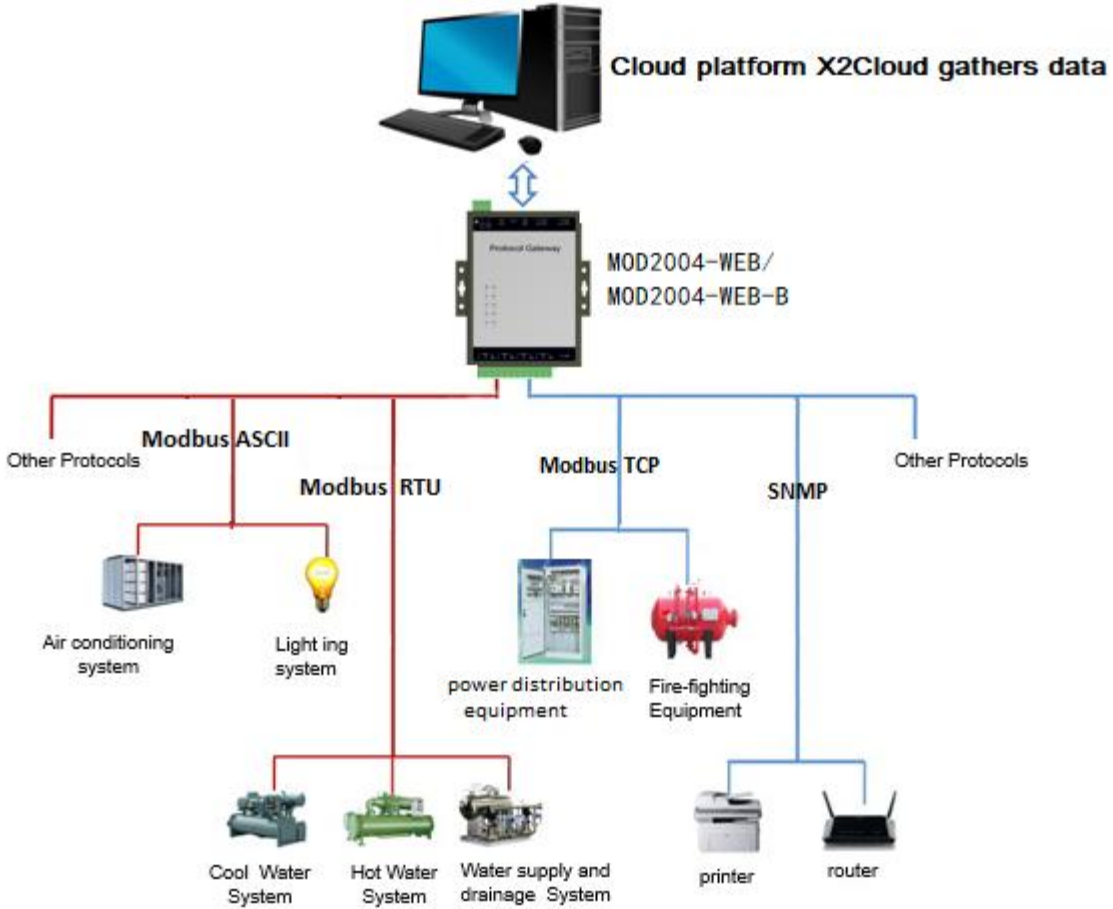
### Software Features:

- Green and free installation, support both Chinese and English;
- close to 200 protocols can be converted into ModbusRTU and ModbusTCP server;
- 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 configuration engineering is convenient,the 5120 dots will be completed within 10 minutes;
- Add a new private protocol to support Modbus, which can be completed within 2 weeks;

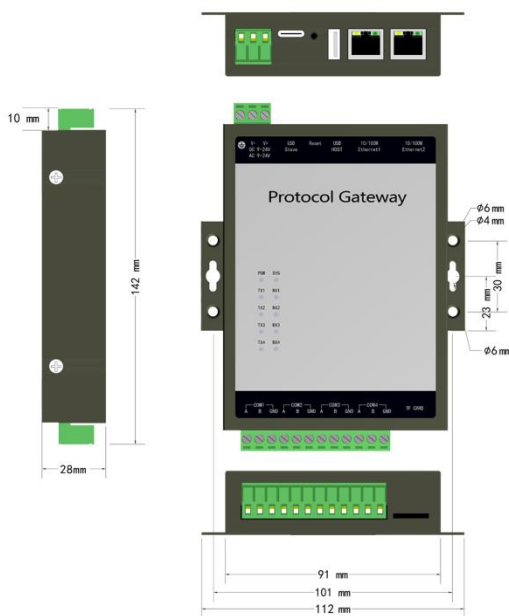
### Hardware Parameter :

CPU : 1.4GHz	Power : AC/DC 9-24V
Memory : 512M High performance memory	Size(L×W×H) : 142*112*28mm(Wall-hanging) 142*91*35mm(Guide Way)
System : LINUX	Weight : 250g
Watts : 5W	Material : Aluminum Cover
Interface : 2Ethernets 4Serial Ports(4RS485)	Setup : Wall-hanging (MOD2004-WEB-B) Guide Way (MOD2004-WEB)
Flash : 4GB	Temperature : -40 ~ 85°C(working) -40 ~ 85°C(storage and transportation)
Network: 2 High-performance 100M/10M adaptive Industrial Network Cards, support AUTO MDI/MDIX	Humidity: 20% ~ 90%, no condensation (work), 15% ~ 95%, no condensation (storage and transportation)

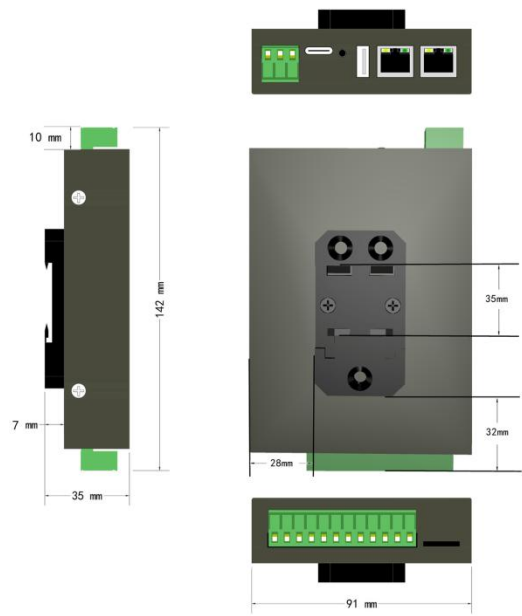
Application Principle Diagram



Product Size



MOD2004-WEB-B (Wall-hanging)



MOD2004-WEB (Guide Way)

MOD1002-Lite

MOD1002-ARM

MOD2004-Lite

MOD2004-ARM

MOD2004-A9

MOD2004-WEB

MOD1022-1U

MOD1002-Lite

MOD1002-ARM

MOD2004-Lite

MOD2004-ARM

MOD2004-A9

MOD2004-WEB

MOD1022-1U

**Modbus Gateways**

Product Model : MOD1022-1U

**Functional description :**

X2Modbus is a hardware Gateway with 1ethernet and 2 RS485 2 RS232. Matching software is Modbus . X means all kinds of protocols from different manufacturer. These protocols(X) can be converted by Modbus hardware Gateway into standard Modbus RTU and ModbusTCP. Configured project files by X2Modbus are uploaded to hardware gateway, users can read & write point informations from different manufacturer by Modbus system.

**1U:**

MOD1022-1U can be easily installed to 19 inch cabinet. IT's shape meets EIA specifications, and thickness is 4.445cm. The frame is provided with a screw hole for fixing the server so that it can be fixed with the screw hole of the server.

**Application Fields :**

Modbus Gateway can convert all kinds of protocols into Modbus RTU and ModbusTCP . Modbus Gateway have solved the problem that some large BA Company can't connect any uncommon devices. So Modbus system can control uncommon devices by Modbus gateway.

BA Controls : Citect、ifixes、RSVIEW、WINCC、Kingview、e-Control etc.

Uncommon Devices : DDC、PLC central air conditioning、PrelevatoSr、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**

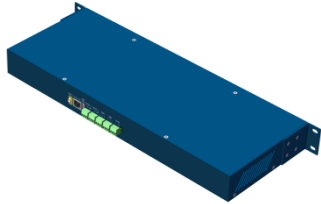
Modbus Gateways supports Modbus RTU/TCP server, which supports the following table types and number of registers :

Number of Registers is dynamic, each register can be builded up to 1024 points.

Modbus Register Types	Modbus Register number
0X ( Read & Write )	1024(1~1024)
1X ( Read only )	1024(1~1024)
4X ( Read & Write )	1024(1~1024)
3X ( Read only )	1024(1~1024)

## Modbus Gateways

Product Model : MOD1022-1U



### Software Features:

- Green and free installation, support both Chinese and English;
- close to 200 protocols can be converted into ModbusRTU and ModbusTCP server;
- 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 configuration engineering is convenient,the 1024 dots will be completed within 20 minutes;
- Add a new private protocol to support Modbus, which can be completed within 2 weeks;

### Hardware Parameter :

CPU : 400MHZ	Power : DC 24V
Memory : DDR2 High performance memory , Supports 64MB/128MB (optional)	Size(L×W×H) : 482*179*44mm
System : WINCE	Weight : 1800g
Watts : 7W	Material : carbon steel
Interface : 1Ethernets 2Serial Ports(2RS485/2RS232)	Setup : Wall-hanging (MOD2004-WEB-B) Guide Way (MOD2004-WEB)
Flash : 256M	Temperature : -20 ~ 70°C(working) -30 ~ 80°C(storage and transportation)
Network: Onboard DM9000 100M high performance Ethernet card 1 RJ45 interface	Humidity: 20% ~ 90%, no condensation (work), 15% ~ 95%, no condensation (storage and transportation)

MOD1002-Lite

MOD1002-ARM

MOD2004-Lite

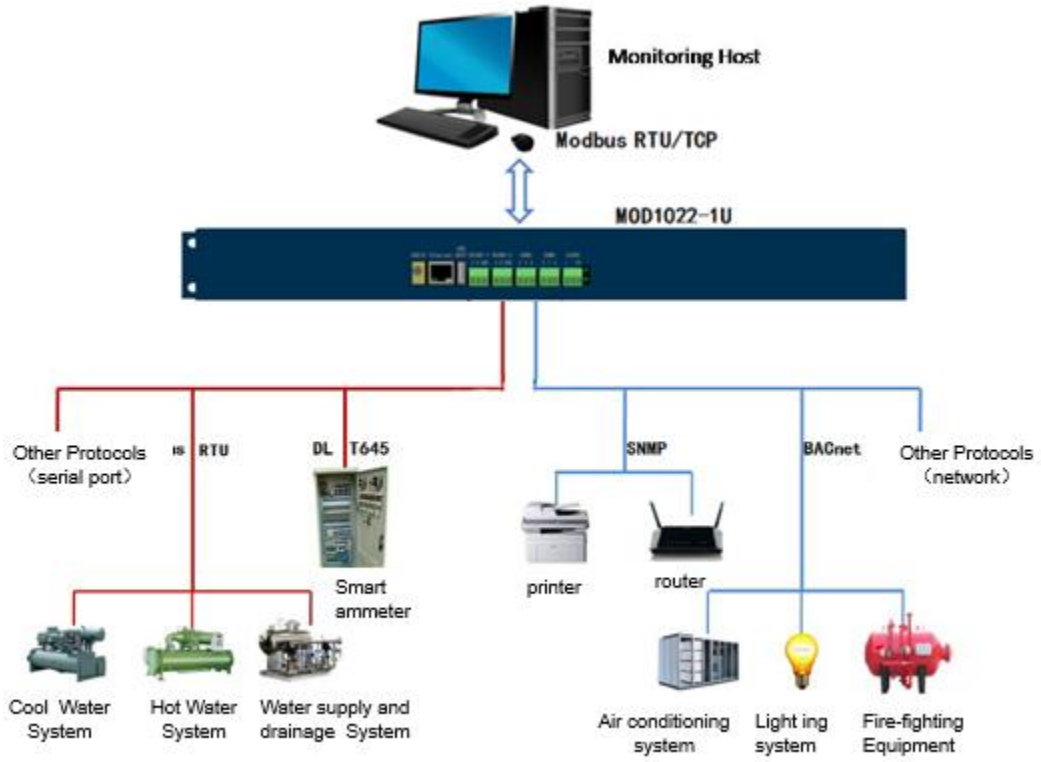
MOD2004-ARM

MOD2004-A9

MOD2004-WEB

MOD1022-1U

### Application Principle Diagram



### Product Size



MOD1022-1U (rack-mounted)

MOD1002-Lite  
MOD1002-ARM  
MOD2004-Lite  
MOD2004-ARM  
MOD2004-A9  
MOD2004-WEB  
MOD1022-1U

## Protocols Available

### Common

- 1 BACnet IP
- 2 BACnet MS/TP
- 3 Modbus RTU
- 4 Modbus ASCII
- 5 Modbus TCP
- 6 Modbus UDP
- 7 Modbus RTU\_TCP
- 8 Modbus RTU\_UDP
- 9 Modbus ASCII\_TCP
- 10 Modbus ASCII\_UDP
- 11 Modbus RTU Server
- 12 OPC XML-DA
- 13 SNMP

### Simulation

- 14 Simulator

### Calorimeter for EU

- 15 MBus\_EnergyMeter\_EN

### Calorimeter for CN

- 16 MBUS\_XinTuo
- 17 MBUS\_MaiTuo

### Energy Meter for CN

- 18 MBUS\_AKE
- 19 MBus\_YongGang
- 20 MBus\_Zenner
- 21 MBus\_EnergerMeter
- 22 MBus\_EnergyMeter\_HaiLin
- 23 Modbus\_HaiLin\_EnergyMeter

### Water Meter for CN

- 24 MBus\_WaterMeter
- 25 MBus\_lyglhsb
- 26 ModbusRTU\_Zenner
- 27 MBus\_WaterMeter\_LXSGY\_15E

### Flow Meter

- 28 Modbus Kent
- 29 Spirax SARCO M841
- 30 SC\_FlowMeter
- 31 Modbus\_CNM
- 32 MODBUS\_LCD
- 33 Modbus\_LDZ\_6\_GuangHua
- 34 Modbus\_BiaoYi\_WL

### Elevator

- 35 Hitachi Elevator BA Interface
- 36 Mitsubishi Elevator SMOS-PS2
- 37 Mitsubishi Elevator KLR-F485
- 38 Otis Elevator BA Interface
- 39 ModbusRTU\_Otis\_BAS
- 40 Otis\_Elevator\_BA\_Jen2
- 41 ModbusTCP\_Thyssenkrupp\_Elevator
- 42 ModbusRTU\_Thyssenkrupp\_Elevator
- 43 Mitsubishi Elevator SMOS-PS2\_TCP
- 44 Modbus\_Otis\_Elevator
- 45 Modbus\_Kone elevator
- 46 Modbus\_Kone elevator ASCII
- 47 Mitsubishi Elevator MAXIEZ

### Electricity Meter

- 48 IEC104

49 DLT645-1997  
50 DLT645-2007  
51 Modbus PM800  
52 Modbus IEM3000  
53 CDT  
54 DLT645-CHINT  
55 Modbus\_woyat

## **Airconditon**

56 Toshiba\_Airconditioning  
57 EMERSON\_ACM03U1  
58 Hisense\_Airconditioning  
59 Joton Tmaster  
60 Modbus\_DAIKIN\_IRACC  
61 DAIKIN\_DRCH-R5  
62 VotonThermostat  
63 SysGreen\_Airconditioning  
64 Hitachi\_Chiller  
65 SANYO\_DG-52GHT  
66 Gree\_BaseStationAirconditioning

## **PLC**

67 Mitsubishi FX1S  
68 Mitsubishi FX2N  
69 Mitsubishi FX3U  
70 Mitsubishi FX\_485ADP\_485BD  
71 Mitsubishi Melsec\_Q\_Serial  
72 Mitsubishi Melsec\_Q\_TCP  
73 MEGMEET\_MC200  
74 Haiwell E/S PLC  
75 Haiwell H/N PLC  
76 Panasonic FP  
77 XINJE PLC  
78 DELTA\_DVP

79 FATEK\_FB  
80 OMRON\_FINS\_UDP  
81 OMRON\_FINS\_Serial  
82 Saia\_SBus\_UDP  
83 Toshiba\_PROVISOR\_TC200

## **Siemens PLC**

84 Siemens S7-200 PPI  
85 Siemens S7-200 Network  
86 Siemens S7-300 Network  
87 Siemens S7-1200 Network  
88 XT55 GPS SERVER

## **Lighting control**

89 KNXnetIP  
90 KNXnetIP\_MultiCast  
91 DyNet  
92 Modbus LDS  
93 MicroPara\_DR0816  
94 MicroPara\_DR1220  
95 MicroPara\_DH0416  
96 LitePuter\_DP\_105E  
97 LitePuter\_PLNET  
98 MicroPara  
99 ULaiDe  
100 LDS  
101 E\_Linker\_ECWG485  
102 Lutron\_Telnet

## **UPS**

103 SANTAK UPS  
104 DELTA UPS ES3000  
105 LEGRAND UPS  
106 EMERSON\_HIPULSE

107 EMERSON\_Liebert\_UPS  
108 ModbusRTU\_GE\_UPS  
109 EKSI\_UPS  
110 EMERSON\_NXL

## **Solar Control**

111 Cibsolar\_CA  
112 Kaseman GRC

## **Fire Alarm**

113 JB-3208 CRT  
114 Siemens Cerberus FS18  
115 BOSCH\_DS7400XI\_TCP  
116 BOSCH\_DS7400XI  
117 VESDA\_Open\_HLI\_Protocol  
118 YANRONG\_YR\_LC\_TXAH  
119 NOTIFIRE\_NFS2\_3030\_CRT

## **Attemperator**

120 LTM9662\_485NET

## **Environmental Protection**

121 SC\_HuangMei

## **Radar**

122 Hypersee\_Radar  
123 Hypersee\_Alarm\_Radar

## **Weight**

124 Buhler\_MEAF  
125 METTLER\_TOLEDO\_SICS  
126 YAOHUA\_XK3190

## **Other Protocols**

127 FFU  
128 Panasonic MINAS A5  
129 SINOLY JINE\_JA05  
130 SAUTER\_CASE\_VAV  
131 saj110\_AlarmSystem  
132 EMEC\_LDPH  
133 RKC\_CH402  
134 YuDian\_AI\_Single\_loop  
135 GreenDaoFenMuJi  
136 SOLIN  
137 Condair\_PH  
138 BIGBANIAN\_AIRC800  
139 ACTI\_SignalSelector  
140 Modbus\_TG01W  
141 Ebara\_Densan\_S-BCS  
142 Modbus\_HOLTOP\_HDK\_09S\_BA  
143 YeeFung\_Parking\_System  
144 Projector  
145 HeFei\_Ahhfat  
146 BoosterBoiler\_NEURON\_NXQ  
147 Epson\_PJLink  
148 Lumi\_Gateway

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