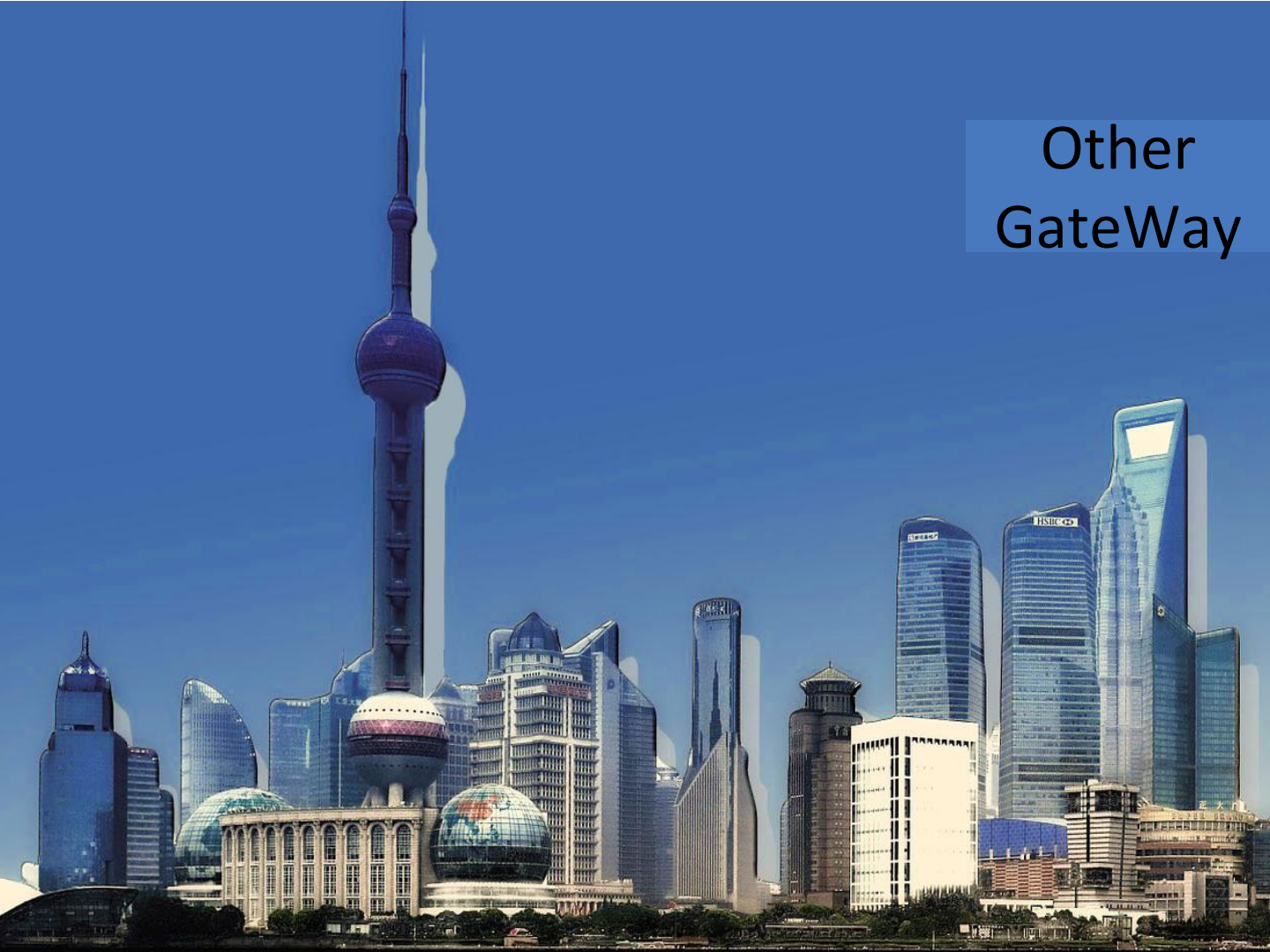


Other  
GateWay



## Other GateWay

help Industrial Automation  
to achieve seamless integration  
to achieve interoperability



## Other Gateway

1	SMS2004-ARM	.....	3
2	X2SMS-GPRS	.....	5
3	Mail2SMS	.....	6
4	SNMP1002-ARM	.....	7
5	SNMP2004-ARM	.....	9
6	IEC2004-ARM	.....	11
7	SQL2BACnet	.....	14

Product Name	Product Model	Support Registers	Support Devices	Protocols	Interface
Message Alarm GateWay	SMS2004-ARM	1024	128	Close to 200	2 Ethernets 4 Serials
	X2SMS-GPRS	1024	128	Close to 200	---
	Mail2SMS	Soft Gateway			
SNMP Gateway	SNMP1002-ARM	256	64	Close to 200	1 Ethernet 2 Serials
	SNMP2004-ARM	1024	128	Close to 200	2 Ethernets 4 Serials
IEC104 Gateway	IEC2004-ARM	1024	128	Close to 200	2 Ethernets 4 Serials
Database2 BACnet	SQL2BACnet	Soft Gateway			

**SMS Message Alarm Gateway Product Model:SMS2004-ARM**

**Function:**

SMS2004-ARM( Hongdian version ) is hardware gateway with GPRS Modem to realize short message alarm、 short message notification、 short message transmission etc. functions. Matching configuration software is X2SMS.

GPRS Modem must support GSM mode only (SIM card of china mobile、 china unicom、 no china telecom ), and must be hongdian's cellular serial modem.

**Application :**

The device need to connect SMS2004-ARM hardware gateway. Alam condition must be set with SMS2004-ARM. When the device reaches the preset alarm point , it triggers the SMS2004-ARM to send the alarm information to GPRS Modem , finally GPRS Modem send SMS information to user's mobilephone.

**Runtime environment :**

OS : Windows XP/Win 7/Win8/Win10/Win Server 2003/Win Server2008/Win Vista etc.

Browser : IE11 ( and above ) 、 Safari、 Google Chrome、 firefox、 Opera etc.

**Register Type&Num**

Number of Registers is dynamic, each register can be builded up to 256 points.



-Green software and Free Installation;

-close to 200 protocols;

-browser, set up and moniter by WEB;

-Line convert、 fetch bit 、 Highbyte & Lobyte convert;

-Internal variable can check device online & offline status;

-Friendly software configuration tool , complete 1024 points in 20m;

-new Protocol can be completed in 2 weeks;

**Hardware Parameter :**

CPU : 400MHz	POWER : AC/DC 24V
Memory : 64M High performance memory	Size(L×W×H) : 160*116*37mm
System : WINCE	Weight : 500g
Watts : 5W	Material : carbon steel
Flash : 256M	Setup : Guide Way 、 Wall-hanging
Interface : 2Ethernets 4Serial Ports(4 RS485)	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)

SMS2004-ARM

X2SMS-GPRS

Mail2SMS

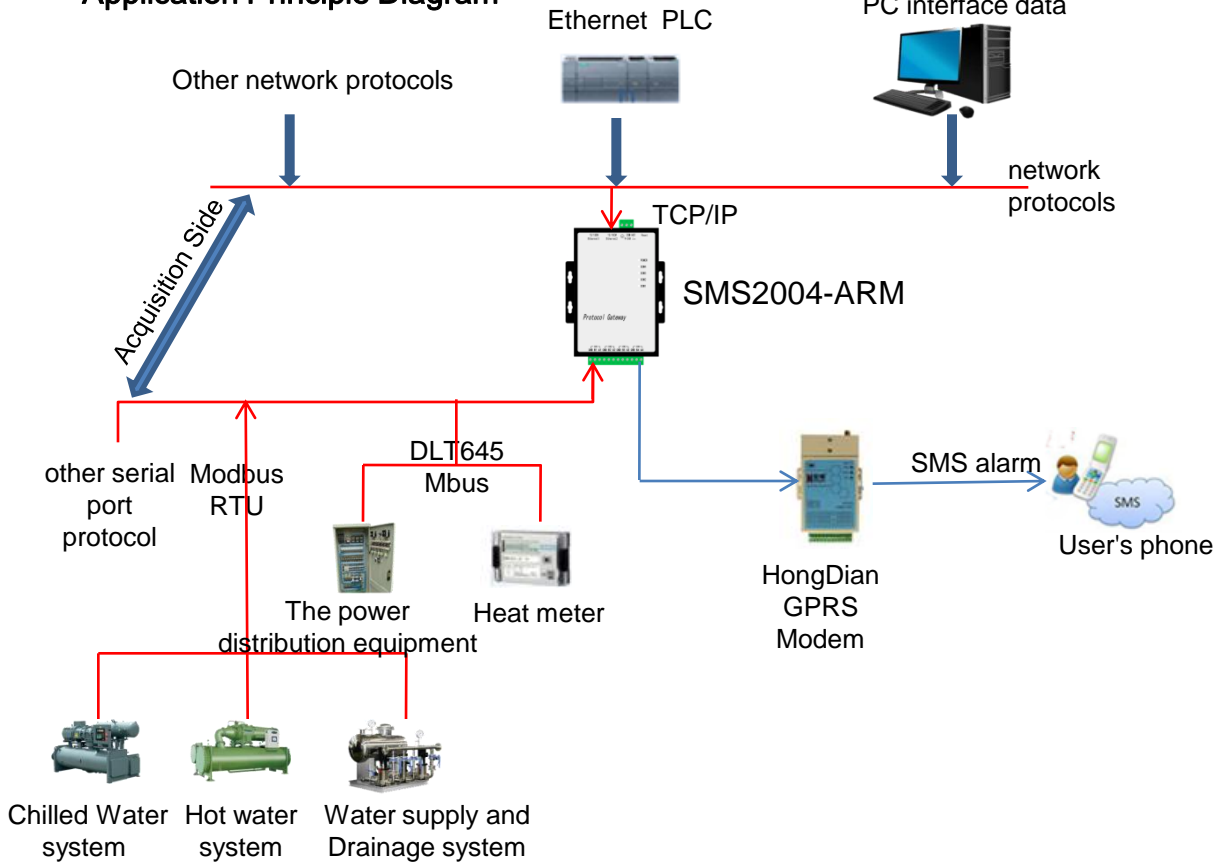
SNMP1002-ARM

SNMP2004-ARM

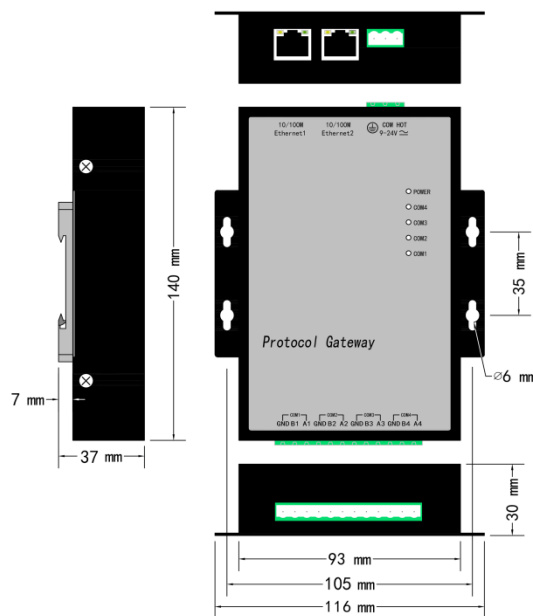
IEC2004-ARM

SQL2BACnet

## Application Principle Diagram



## Product Size



SMS2004-ARM (Guide Way & Wall-Hanging)

SMS2004-ARM

X2SMS-GPRS

Mail2SMS

SNMP1002-ARM

SNMP2004-ARM

IEC2004-ARM

SQL2BACnet

## SMS Message Alarm Gateway    **Product Model:**X2SMS-GPRS

### Function:

SMS2004-ARM( Hongdian version ) is hardware gateway with GPRS Modem to realize short message alarm、 short message notification、 short message transmission etc. functions. Matching configuration software is X2SMS. Users can set user group to receive message by X2SMS.

GPRS Modem must support GSM mode only (SIM card of china mobile、 china unicom、 no china telecom ), and must be Hongdian's cellular serial modem.

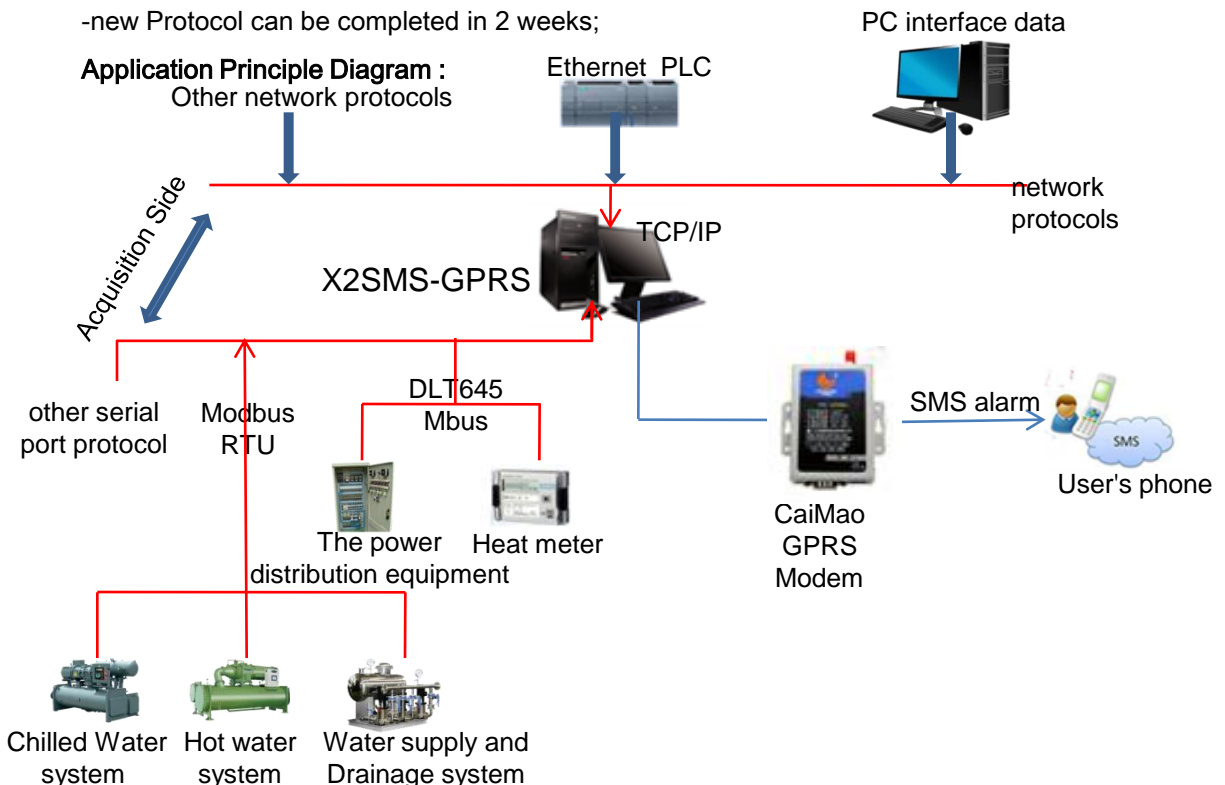
### Application :

The device need to connect X2SMS-GPRS hardware gateway. Alarm condition must be set withSMS2004-ARM. When the device reaches the preset alarm point , it triggers the SMS2004-ARM to send the alarm information to GPRS Modem , finally GPRS Modem send SMS information to user's mobilephone.

### Software Features :

- Green software and Free Installation;
- close to 200 protocols;
- browser, set up and monitor by WEB;
- Line convert、 fetch bit 、 Highbyte & Lobyte convert;
- Internal variable can check device online & offline status;
- Friendly software configuration tool , complete 1024 points in 20m;
- new Protocol can be completed in 2 weeks;

### Application Principle Diagram :



SMS2004-ARM  
X2SMS-GPRS  
Mail2SMS  
SNMP1002-ARM  
SNMP2004-ARM  
IEC2004-ARM  
SQL2BACnet

**SMS Message Alarm Gateway**    **Product Model:**M2S-Softkey M2S-USBkey

**Function:**

Mail2SMS is short message alarm gateway with GPRS Modem to realize short message alarm, short message notification, short message transmission etc. functions. Sound Alarm is sounded by PC's speaker.

GPRS Modem must support GSM mode only (SIM card of china mobile, china unicom, no china telecom ), and must be hongdian's cellular serial modem.

**Working principle :**

Mail server is installed on the user's computer, the alarm information is sent to the mailbox through the local network, and then the mail information is received in the Mail2SMS, and the SMS is sent to the user's mobile phone by the GPRS Modem.

**Software advantages :**

configurable, simple operation, stable and reliable, you can edit the contents of the alarm. The user list can support import and export for ease of administration.

**Runtime environment :**

OS : Windows XP/Win 7/Win8/Win10/Win Server 2003/Win Server2008/Win Vista etc.

**Hardware Parameter :**

GPRS Modem must support GSM mode only (SIM card of china mobile, china unicom, no china telecom ), and must be hongdian's cellular serial modem.

**Software Features :**

- Green software and Free Installation;
- supports reading the Mail mailbox server to the SMS SMS alert server;
- support import and export EXCEL, faster and more convenient;
- M2S-USBkey dongle licensing, plug and play;
- M2S-Softkey soft license, easy to use;
- Software MailSMS is configurable, easy to operate, stable and reliable, and can edit the contents of the alarm freely;

**Application Principle Diagram :**

<right picture>



**Mail2SMS Products:**

Mail2SMS Product Model	Size/mm (L×W×H)	Weight/g	Color	Authorization mode / Implementation function
M2S-Softkey	None	None	无	Software licensing / reading Mail mailbox server to SMS SMS alert server
M2S-USBkey	44*16*8	8	navy blue	Encryption dog authorization / read Mail mailbox server to SMS SMS alert server

- SMS2004-ARM
- X2SMS-GPRS
- Mail2SMS
- SNMP1002-ARM
- SNMP2004-ARM
- IEC2004-ARM
- SQL2BACnet



SMS2004-ARM

X2SMS-GPRS

Mail2SMS

SNMP1002-ARM

SNMP2004-ARM

IEC2004-ARM

SQL2BACnet

**SNMP Gateway**    **Product Model:** SNMP1002-ARM(Guide Way)    SNMP1002-ARM-B(Wall-Hanging)

**Function Description :**

X2SNMP called SNMP gateway can invert any device protocol into SNMP interface, then the computer room management system and other SNMP client can access and monitor the third party data through SNMP interface.

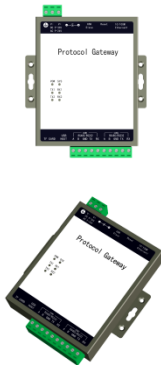
**Working principle**

The field device connects the "X2SNMP" hardware gateway, the gateway collects the data to provide the SNMP proxy interface, and the SNMP client can manage and monitor the field device by accessing the X2SNMP hardware gateway.

**Runtime environment :**

OS : Windows XP/Win 7/Win8/Win10/Win Server 2003/Win Server2008/Win Vista etc.  
 Browser : IE11 ( and above ) 、 Safari、 Google Chrome、 firefox、 Opera etc.

**Software Features :**

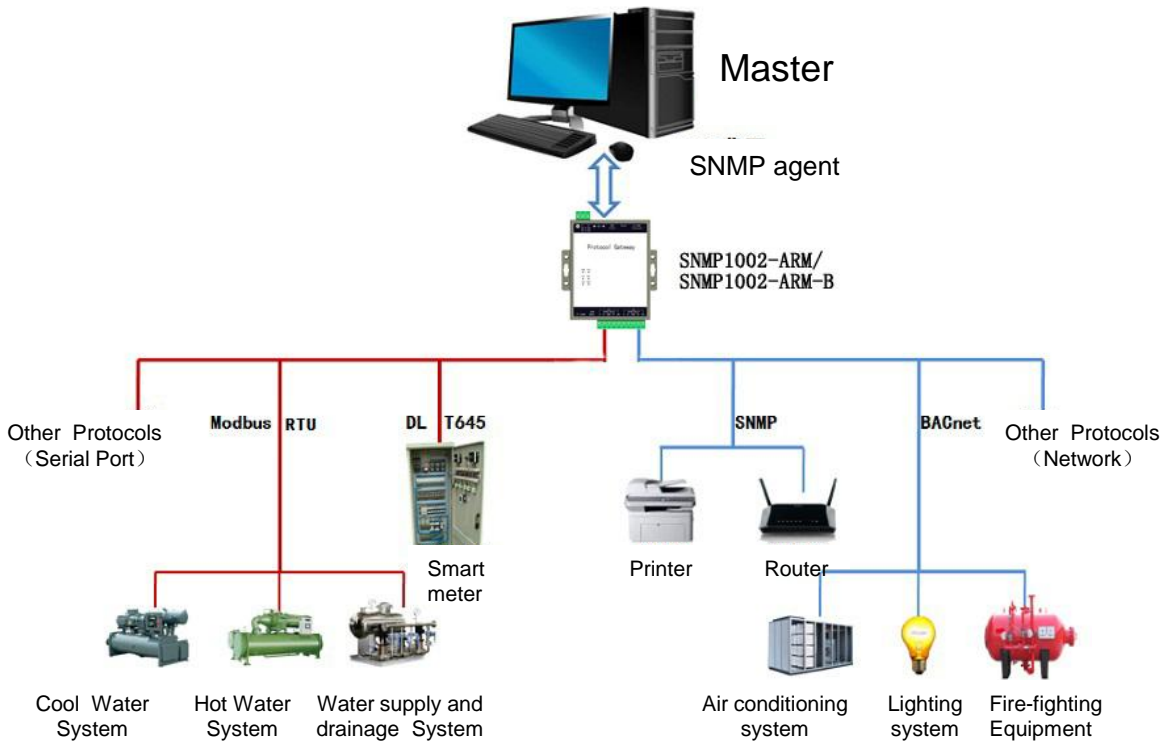


- Green software and Free Installation;
- close to 200 protocols;
- browser, set up and monitor by WEB;
- Line convert、 fetch bit 、 High byte & Low byte convert;
- Internal variable can check device online & offline status;
- In PC monitoring mode, X2SNMP tool can be used for PC simulation;
- Friendly software configuration tool , complete 256 points in 10m;
- new Protocol can be completed in 2 weeks;

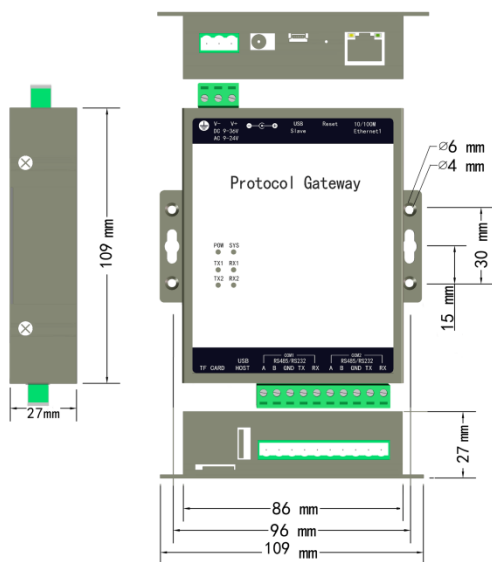
**Hardware Parameter :**

CPU : 240MHz	POWER : AC/DC 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
Flash : 128M	Setup : Guide Way(SNMP1002-ARM)/ Wall-hanging(SNMP1002-ARM-B)
Interface : 1Ethernet 2Serial Ports(2 RS485/ 2 RS232)	Temperature : -40 ~ 85°C(working) -40 ~ 85°C(storage and transportation)
Network: 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)

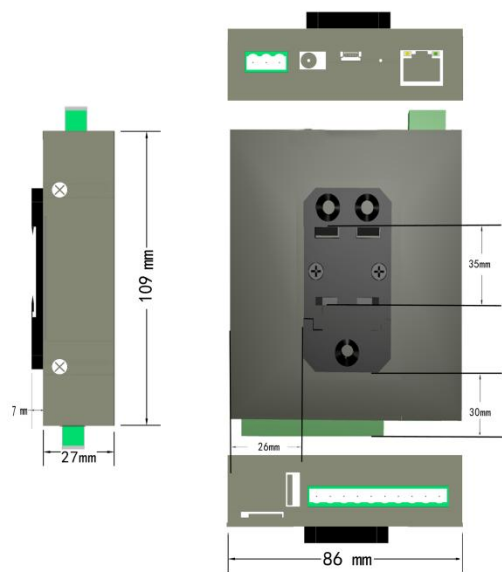
## Application Principle Diagram



## Product Size



SNMP1002-ARM-B (Wall-Hanging)



SNMP1002-ARM (Guide Way)



- SMS2004-ARM
- X2SMS-GPRS
- Mail2SMS
- SNMP1002-ARM
- SNMP2004-ARM**
- IEC2004-ARM
- SQL2BACnet

**SNMP Gateway**    Product Model: SNMP2004-ARM

**Function Description :**

X2SNMP called SNMP gateway can invert any device protocol into SNMP interface, then the computer room management system and other SNMP client can access and monitor the third party data through SNMP interface.

**Working principle**

The field device connects the "X2SNMP" hardware gateway, the gateway collects the data to provide the SNMP proxy interface, and the SNMP client can manage and monitor the field device by accessing the X2SNMP hardware gateway.

**Runtime environment :**

OS : Windows XP/Win 7/Win8/Win10/Win Server 2003/Win Server2008/Win Vista etc.  
 Browser : IE11 ( and above ) 、 Safari、 Google Chrome、 firefox、 Opera etc.

**Software Features :**

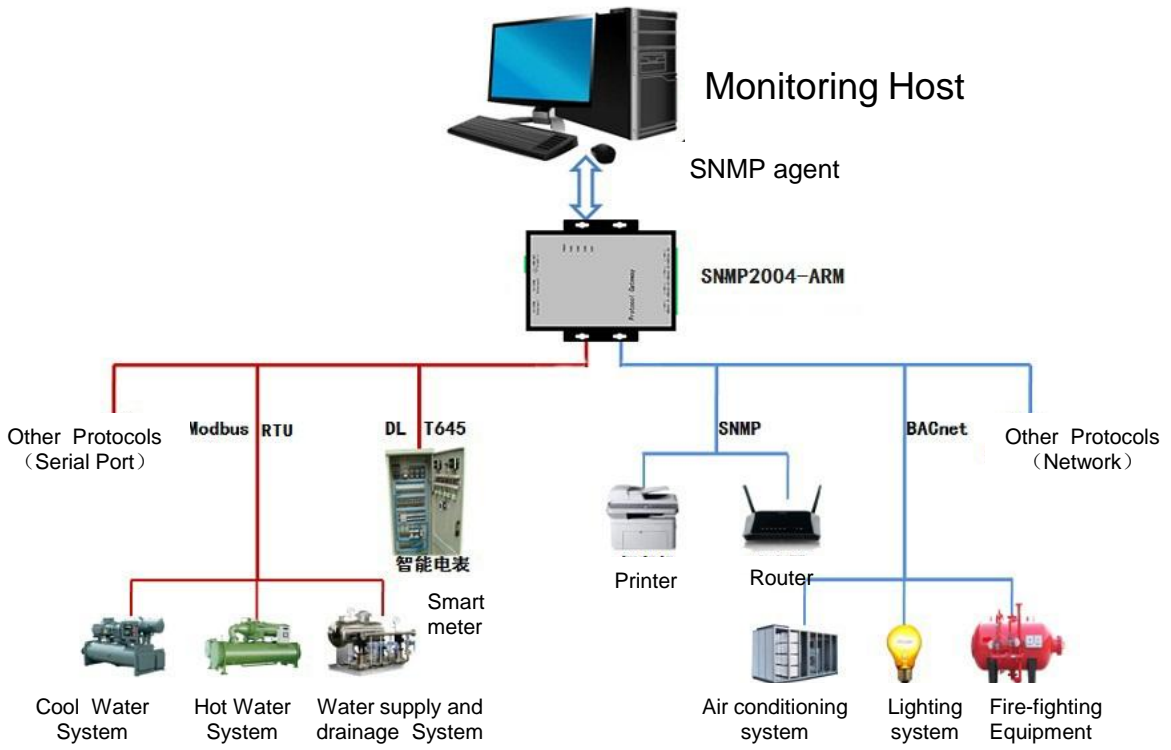


- Green software and Free Installation;
- close to 200 protocols;
- browser, set up and monitor by WEB;
- Line convert、 fetch bit 、 High byte & Low byte convert;
- Internal variable can check device online & offline status;
- In PC monitoring mode, X2SNMP tool can be used for PC simulation;
- Friendly software configuration tool , complete 1024 points in 20m;
- new Protocol can be completed in 2 weeks;

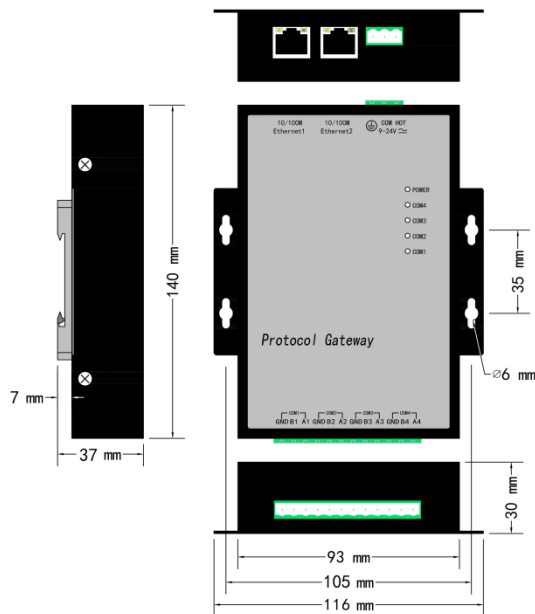
**Hardware Parameter :**

CPU : 400MHz	POWER : AC/DC 24V
Memory : 64M High performance memory	Size(L×W×H) : 160*116*37mm
System : WINCE	Weight : 500g
Watts : 7W	Material : carbon steel
Flash : 256M	Setup : Guide Way、 Wall-hanging
Interface : 2Ethernets 4Serial Ports(2 RS485/ 2 RS232)	Temperature : -30 ~ 75°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



SNMP2004-ARM (Wall-Hanging /Guide Way)

SMS2004-ARM

X2SMS-GPRS

Mail2SMS

SNMP1002-ARM

SNMP2004-ARM

IEC2004-ARM

SQL2BACnet

**IEC104 Gateway** Product Model:IEC2004-ARM

**Function Description :**

X2IEC104 is a protocol gateway, X means different communication protocols, and IEC104 is the ultimate support for IEC104 protocol. The user can configure according to the communication protocol of field devices, IEC104 protocol into standard. In the end PC simulation is correct, uploaded to the hardware protocol conversion gateway. Note that this acquisition terminal and the originator of the gateway to the IEC104 register based address is from the beginning of 0.

**Working principle**

Hardware gateway supports multiple protocol conversion, can solve PLC, air conditioning, elevator, fire control, lighting control system, electric meter, water meter of different products, through the hardware gateway will be Modbus, BACnet and other various different protocol into IEC104 protocol, so that the IEC104 client configuration software can access the site through the X2IEC104 gateway equipment, implementation data acquisition, data monitoring, and remote reading scene temperature, and alarm status data.

**Runtime environment :**

OS : Windows XP/Win 7/Win8/Win10/Win Server 2003/Win Server2008/Win Vista etc.

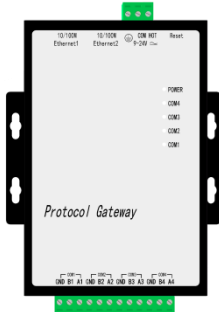
Browser : IE11 ( and above ) 、 Safari、 Google Chrome、 firefox、 Opera etc.

**Software Features :**

Note: the gateway register number is dynamic support, each register can be built up 1024 points.

IEC104 Register Types	IEC104 Register Numbers
Single Point (Single point remote communication )	1024 (0~1023)
Measure Float (Short floating point telemetry )	1024 (0~1023)

**IEC104 Gateway** Product Model:IEC2004-ARM



**Software Features:**

- Green software and Free Installation;
- Support close to 200 protocols into IEC104 server;
- browser, set up and monitor by WEB;
- Line convert、 fetch bit 、 High byte & Low byte convert;
- Internal variable can check device online & offline status;
- Support 2 types of Register:Single Point、 Measure Float;
- Friendly software configuration tool , complete 1024points in 20m;
- new Protocol can be added in 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)

SMS2004-ARM

X2SMS-GPRS

Mail2SMS

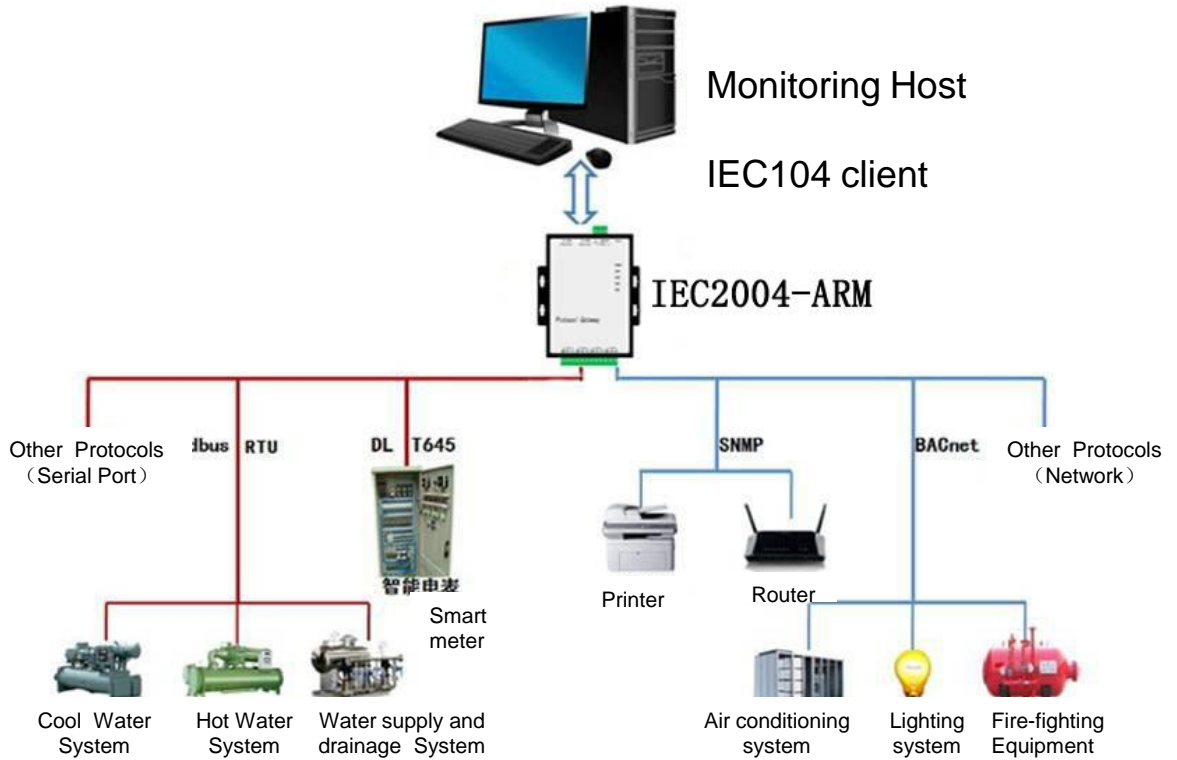
SNMP1002-ARM

SNMP2004-ARM

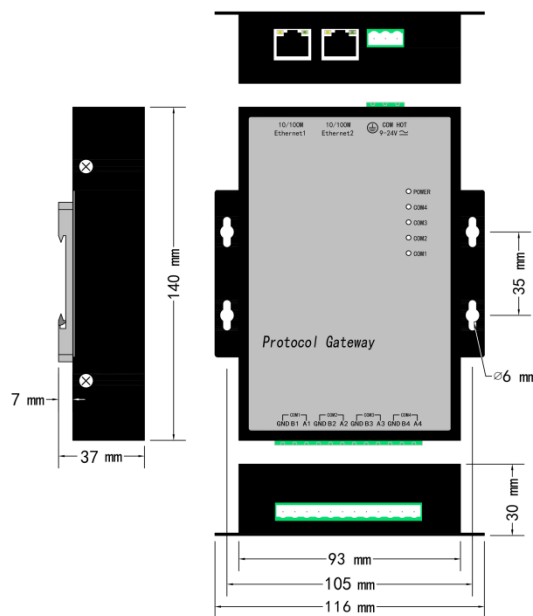
IEC2004-ARM

SQL2BACnet

## Application Principle Diagram



## Product Size



IEC2004-ARM (Wall-Hanging /Guide Way)

**SQL2BACnet Product Model:** StB-Softkey StB-USBkey

### Function Description :

SQL2BACnet is by Shanghai sure rao automation technology co., LTD., independent research and development of new software, this software is mainly used to solve most of building automation software cannot access the SQL database.

### Working principle

Install the software in the equipped with SQL database computer, by reading and "SQL2BACnet" SQL database data into BACnetIP again from the station, so other configuration software on the computer just by BACnetIP agreement, can not only realize to monitor and control the SQL database.

### Runtime environment :

OS : Windows XP/Win 7/Win8/Win10/Win Server 2003/Win Server2008/Win Vista etc.  
Browser : IE11 ( and above ) 、 Safari、 Google Chrome、 firefox、 Opera etc.

### Application Fields:

- to solve the data access SQL database of the Johnson Metasys configuration software
- to solve the Bactalk BAS system access SQL database
- solve the Siemens Insight configuration software access SQL database
- solve the SQL database on the viewlogic software of hin building automatic control system
- to solve the software access SQL database of olis inc

...

### Software Features:

- green and free installation, supporting Chinese and English;
- support to read SQL server to BACnet IP and BACnetMSTP server;
- support nine BACnet object AI/AO/AV/BI/BO/BV/MI/MO/MV, each object support 2048 points, 18432 points;
- support import and export EXCEL, easy to configure, save time;
- easy to use configuration software SQL2BACnet;
- SQL2BACnet product series:

Mail2SMS Product Model	Size/mm (L×W×H)	Weight/g	Color	Authorization mode / Implementation function
M2S-Softkey	None	None	无	Software licensing / reading Mail mailbox server to SMS SMS alert server
M2S-USBkey	44*16*8	8	navy blue	Encryption dog authorization / read Mail mailbox server to SMS SMS alert server

SMS2004-ARM

X2SMS-GPRS

Mail2SMS

SNMP1002-ARM

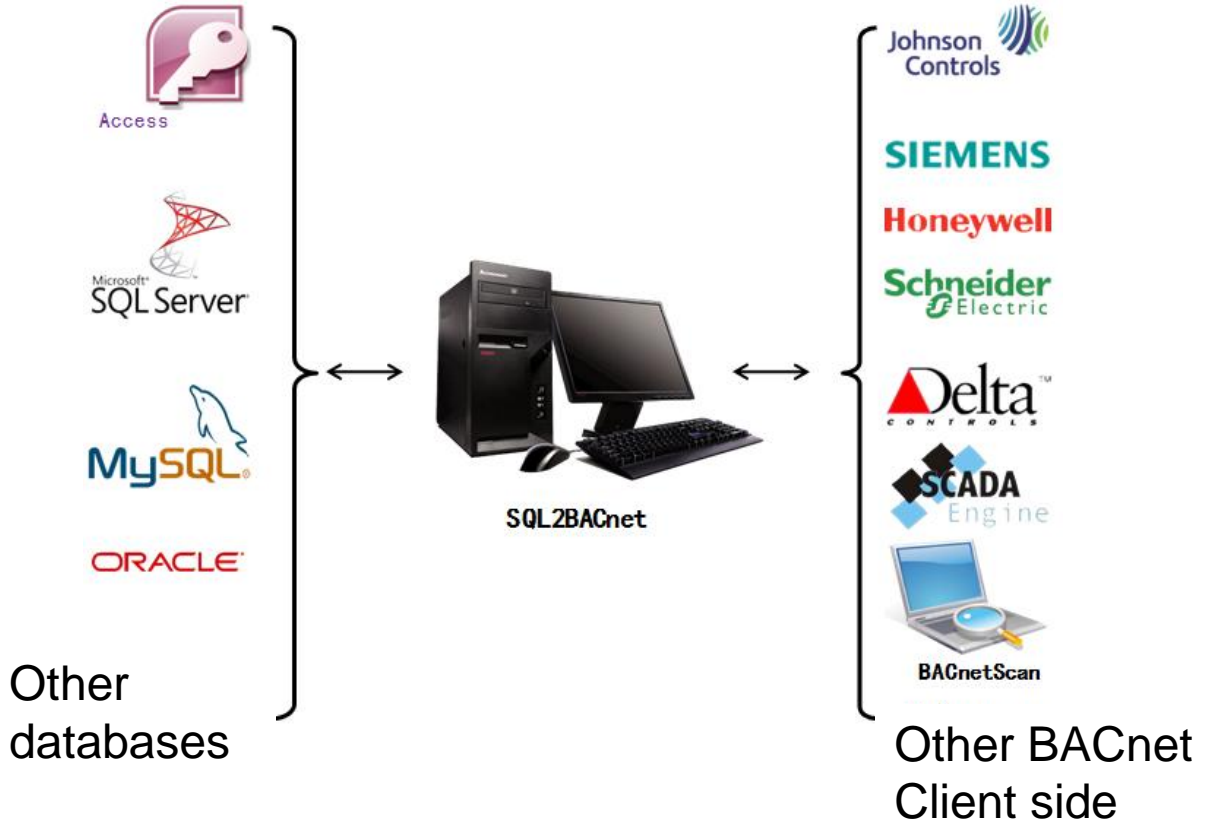
SNMP2004-ARM

IEC2004-ARM

SQL2BACnet



Application Principle Diagram



- SMS2004-ARM
- X2SMS-GPRS
- Mai2SMS
- SNMP1002-ARM
- SNMP2004-ARM
- IEC2004-ARM
- SQL2BACnet

## SMS2004-ARM、 X2SMS-GPRS 、 SNMP1002-ARM、 SNMP2004-ARM 、 IEC2004-ARM protocol available for terminal device :

### 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

# protocol available for terminal device

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\_Linkers\_ECWG485  
 102 Lutron\_Telnet

## UPS

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

# protocol available for terminal device

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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<http://www.opcmaster.com>

<http://www.bacnetchina.com>



If you would like to know more products, please pay attention to the wechat public account.