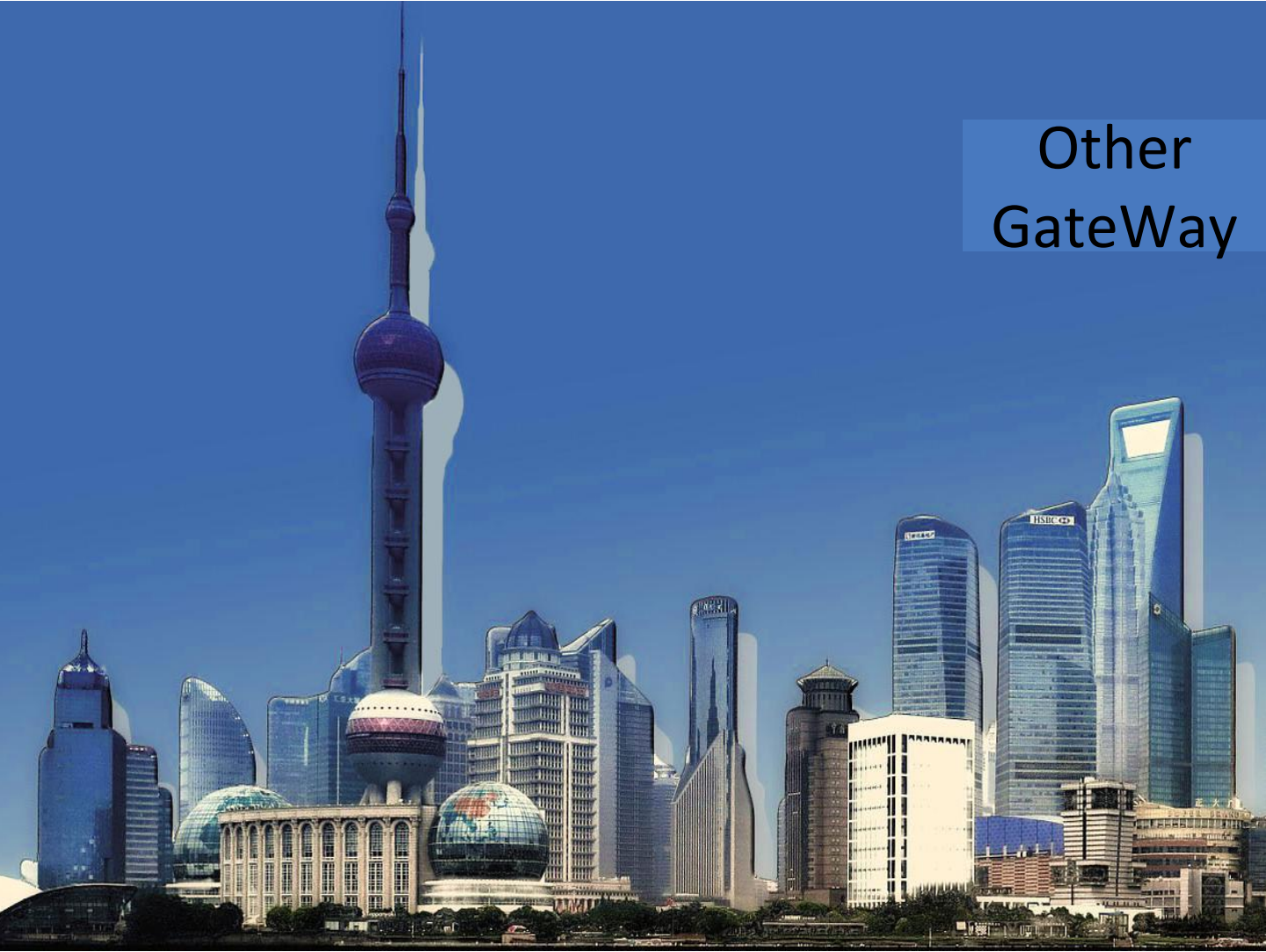




Protocol conversion Expert

Other
GateWay



Other GateWay

help Industrial Automation
to achieve seamless integration
to achieve interoperability

Other Gateway	
1	HMI2004-A9-GPRS3
2	X2SMS-GPRS5
3	Mail2SMS6
4	SNMP1002-ARM7
5	SNMP2004-ARM9
6	IEC2004-ARM11
7	SQL2BACnet14

Product Name	Product Model	Support Registers	Support Devices	Protocols	Interface
Message Alarm GateWay	HMI2004-A9-GPRS	1024	128	nearly 200	2 Ethernets 4 Serials
	X2SMS-GPRS	1024	128	nearly 200	---
	Mail2SMS	Soft Gateway			
SNMP Gateway	SNMP1002-ARM	256	64	nearly 200	1 Ethernet 2 Serials
	SNMP2004-ARM	1024	128	Nearly 200	2 Ethernets 4 Serials
IEC104 Gateway	IEC2004-ARM	1024	128	nearly 200	2 Ethernets 4 Serials
Database2 BACnet	SQL2BACnet	1024	Soft Gateway		



HMI2004-A9-GPRS

X2SMS-GPRS

Mail2SMS

SNMP1002-ARM

SNMP2004-ARM

IEC2004-ARM

SQL2BACnet

SMS Message Alarm Gateway Product Model:HMI2004-A9-GPRS

Function:

HMI2004-A9-GPRS (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 HMI2004-A9-GPRS hardware gateway. Alarm condition must be set with HMI2004-A9-GPRS. When the device reaches the preset alarm point , it triggers the HMI2004-A9-GPRS 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.

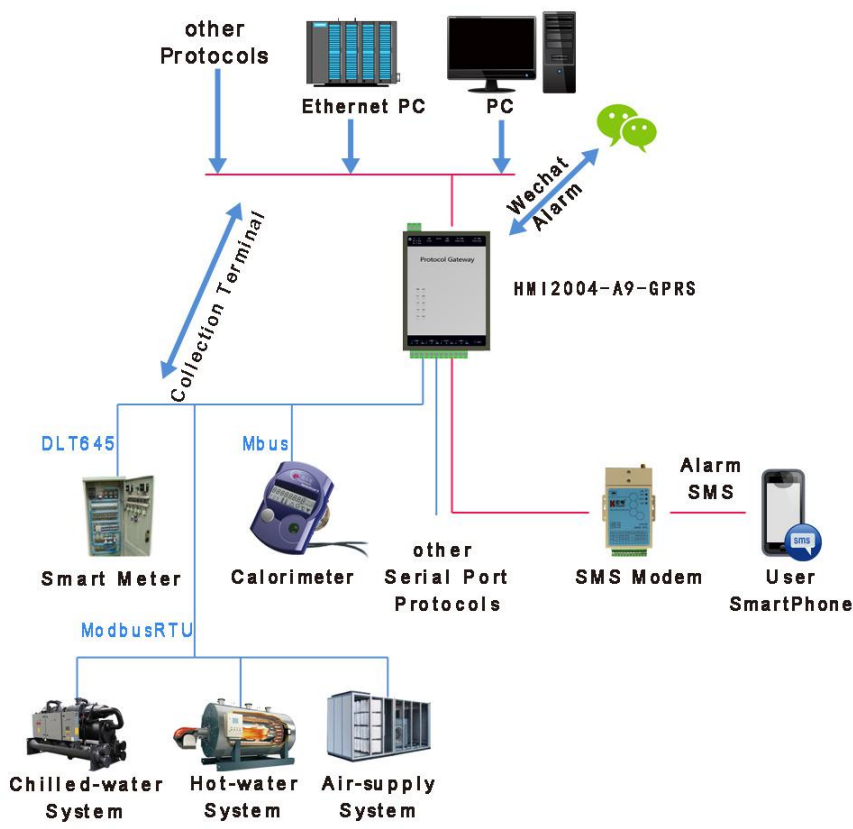


- Green software and Free Installation;
- close to 200 protocols;
- browser, set up and moniter by WEB;
- Line convert、 fetch bit 、 Hibyte & Lobyte convert;
- Internal variable can check device online & offline status;
- Friendly software configuration tool, complete 1024 points in 20m;
- new Protocol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

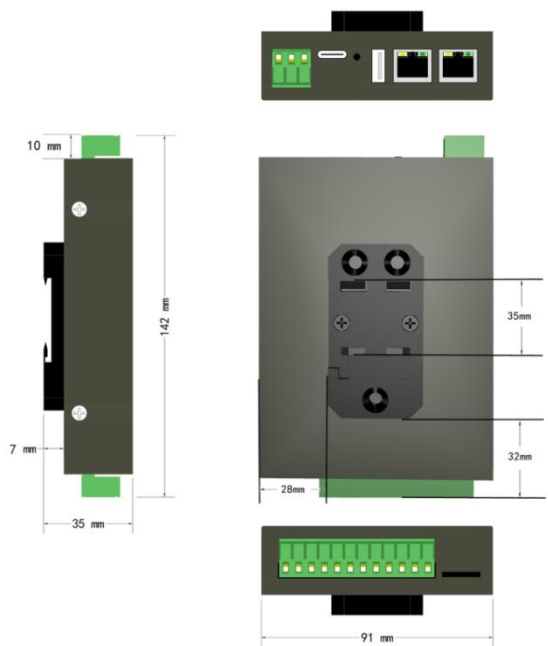
Hardware Parameter:

CPU: 400MHz	Power Supply: AC/DC 12~24V
Memory: 64M High performance memory	Size(L×W×H): 160*116*37mm
System: WINCE	Weight: 500g
Power: 8W	Material: carbon steel
Flash: 256M	Setup: DIN-Rail 、 Wall-hanging
Interface: 2Ethernets 4Serial Ports(4 RS485)	Temperature: -20~70°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



HMI2004-A9-GPRS (DIN-Rail)

HMI2004-A9-GPRS

X2SMS-GPRS

Mail2SMS

SNMP1002-ARM

SNMP2004-ARM

IEC2004-ARM

SQL2BACnet

SMS Message Alarm Gateway Product Model:X2SMS-GPRS

Function:

X2SMS-GPRS(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.

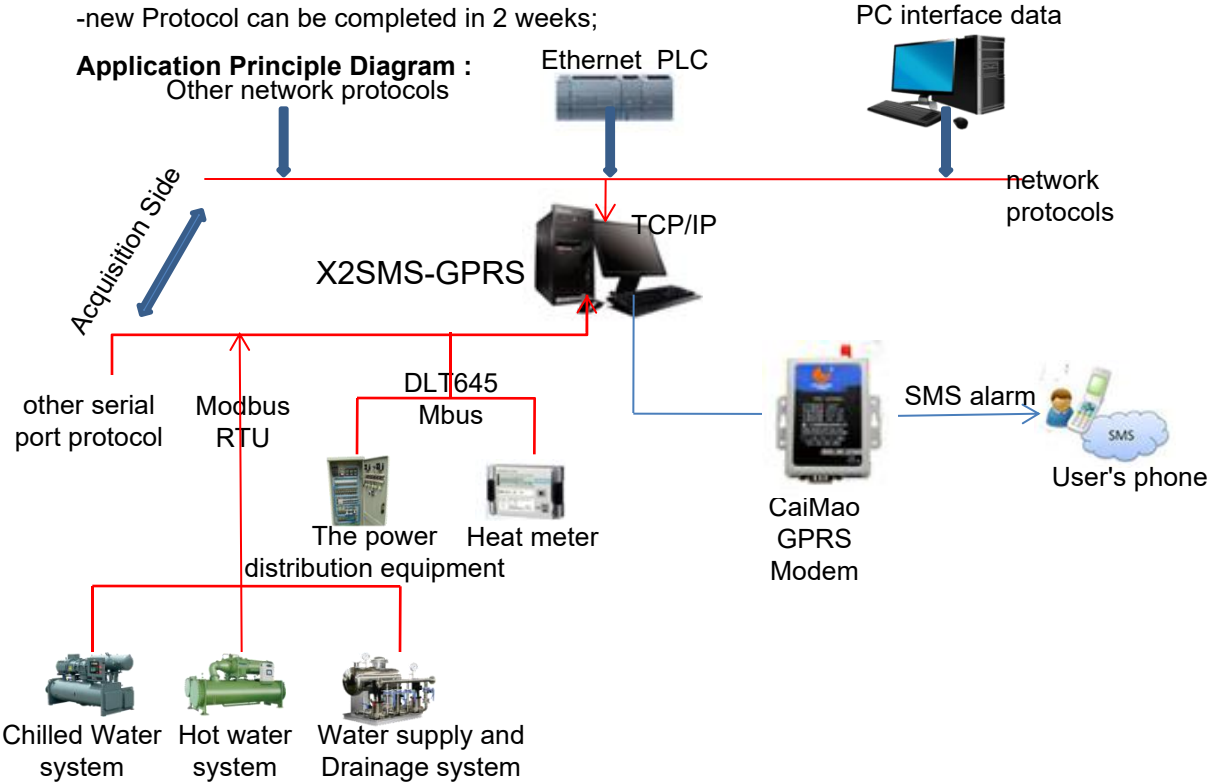
Application:

The device need to connect X2SMS-GPRS hardware gateway. Alarm condition must be set with X2SMS-GPRS. When the device reaches the preset alarm point , it triggers the X2SMS-GPRS 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 :



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 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 Mail2SMS 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

HM12004-A9-GPRS
X2SMS-GPRS
Mail2SMS
SNMP1002-ARM
SNMP2004-ARM
IEC2004-ARM
SQL2BACnet

HMI2004-A9-GPRS

X2SMS-GPRS

Mail2SMS

SNMP1002-ARM

SNMP2004-ARM

IEC2004-ARM

SQL2BACnet

SNMP Gateway Product Model: SNMP1002-ARM(DIN-Rail)

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:

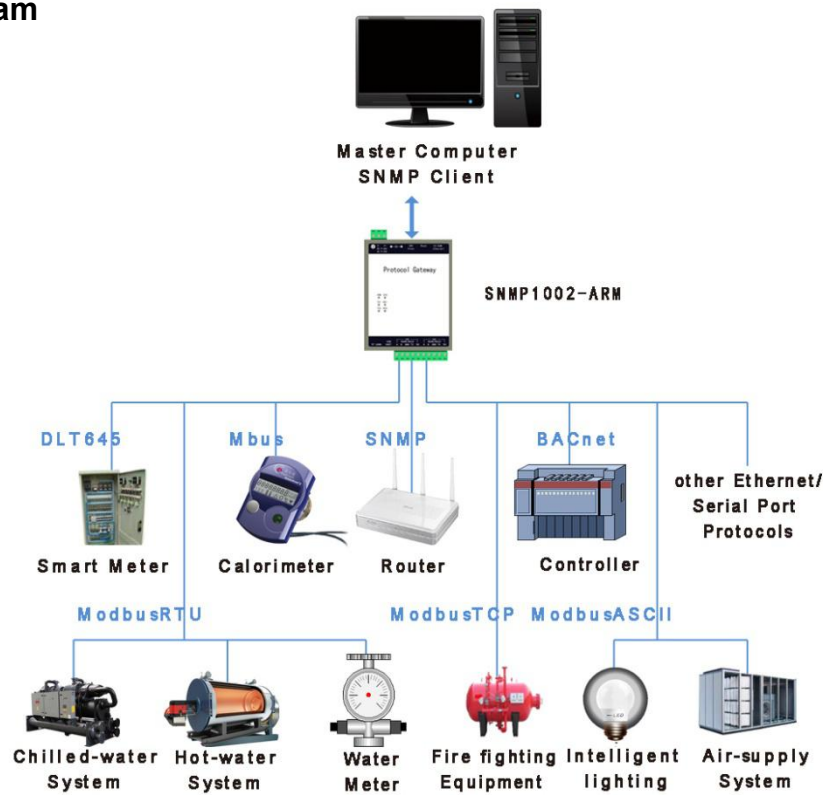


- Green software and Free Installation;
- close to 200 protocols;
- browser, set up and monitor by WEB;
- Line convert、 fetch bit 、 High byte & Low byte convert;
- Internal variable can check device online & offline status;
- In PC monitoring mode, X2SNMP tool can be used for PC simulation;
- Friendly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

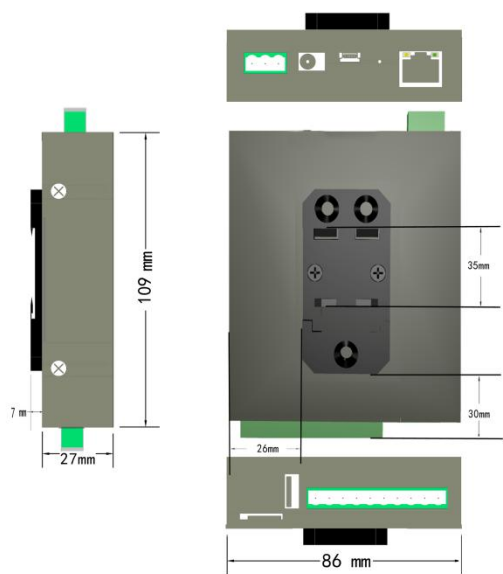
Hardware Parameter:

CPU: 240MHz	Power Supply: AC/DC 24V
Memory: 64M High performance memory	Size(L×W×H): 129*86*34mm
System: LINUX	Weight: 350g
Power: 6W	Material: Galvanized Steel
Flash: 128M	Setup: DIN-Rail
Interface: 1Ethernet 2Serial Ports(2 RS485/ 2 RS232)	Temperature: -20~70°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 (DIN-Rail)

HMI2004-A9-GPRS

X2SMS-GPRS

Mail2SMS

SNMP1002-ARM

SNMP2004-ARM

IEC2004-ARM

SQL2BACnet

- HMI2004-A9-GPRS
- X2SMS-GPRS
- Mail2SMS
- SNMP1002-ARM
- SNMP2004-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.

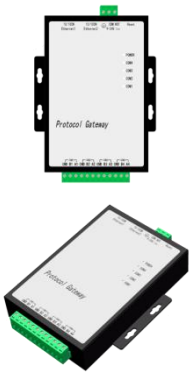
Working principle

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:

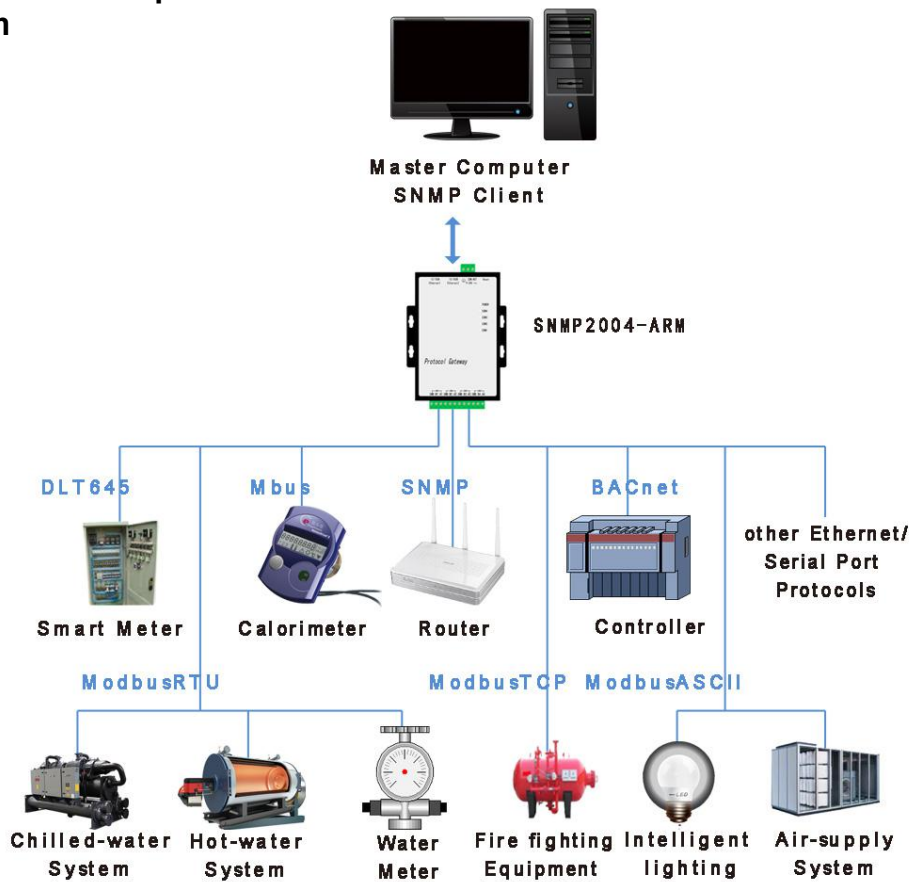


- Green software and Free Installation;
- close to 200 protocols;
- browser, set up and monitor by WEB;
- Line convert、 fetch bit 、 High byte & Low byte convert;
- Internal variable can check device online & offline status;
- In PC monitoring mode, X2SNMP tool can be used for PC simulation;
- Friendly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

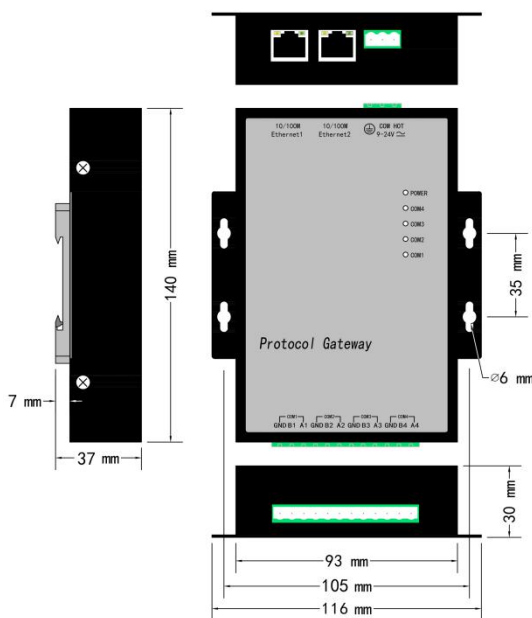
Hardware Parameter:

CPU: 400MHz	Power Supply: AC/DC 12~24V
Memory: 64M High performance memory	Size(L×W×H): 160*116*37mm
System: WINCE	Weight: 500g
Power: 8W	Material: carbon steel
Flash: 256M	Setup: DIN-Rail、 Wall-hanging
Interface: 2Ethernets 4Serial Ports(2 RS485/ 2 RS232)	Temperature: -20~70°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 /DIN-Rail)

HMI2004-A9-GPRS

X2SMS-GPRS

Mail2SMS

SNMP1002-ARM

SNMP2004-ARM

IEC2004-ARM

SQL2BACnet



- HMI2004-A9-GPRS
- 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:

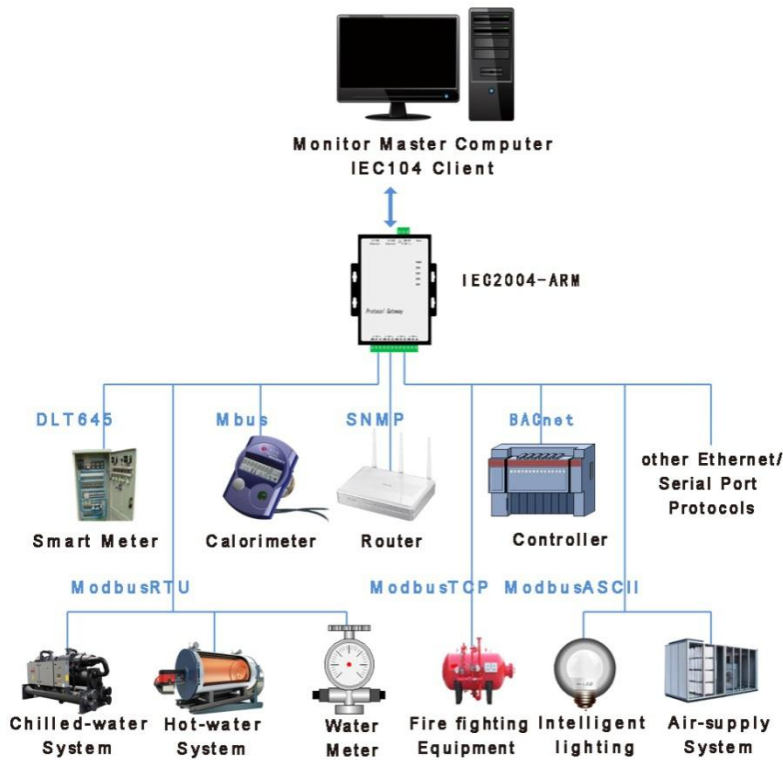
- Green software and Free Installation;
- Support close to 200 protocols into IEC104 server;
- browser, set up and monitor by WEB;
- Line convert、fetch bit 、 High byte & Low byte convert;
- Internal variable can check device online & offline status;
- Support 2 types of Register:Single Point、 Measure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

Hardware parameter:

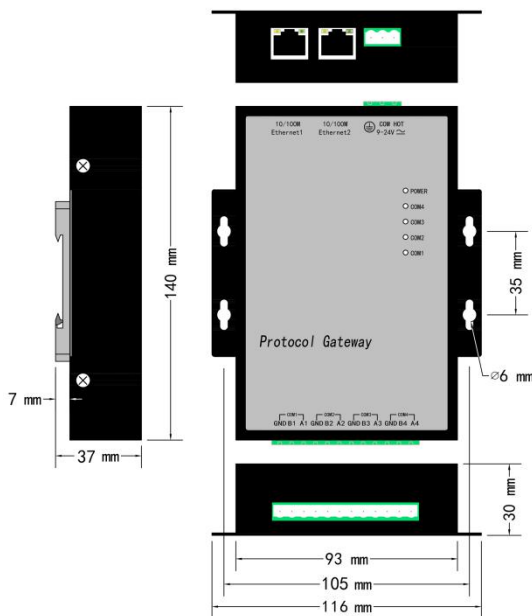
CPU: 400MHZ	Power: AC/DC 12~24V
Memory: 64M High performance memory	Size(L×W×H): 160*116*37mm
System: WINCE	Weight: 500g
Power: 8W	Material: carbon steel
Interface: 2Ethernets 4Serial Ports(4 RS485)	Setup: DIN-Rail 、 Wall-hanging
Flash: 256M	Temperature: -20~70°C(working) -40~85°C(storage and transportation)
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)

HM12004-A9-GPRS
X2SMS-GPRS
Mail2SMS
SNMP1002-ARM
SNMP2004-ARM
IEC2004-ARM
SQL2BACnet

Application Principle
Diagram



Product Size



IEC2004-ARM (Wall-Hanging /DIN-Rail)



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
- ...

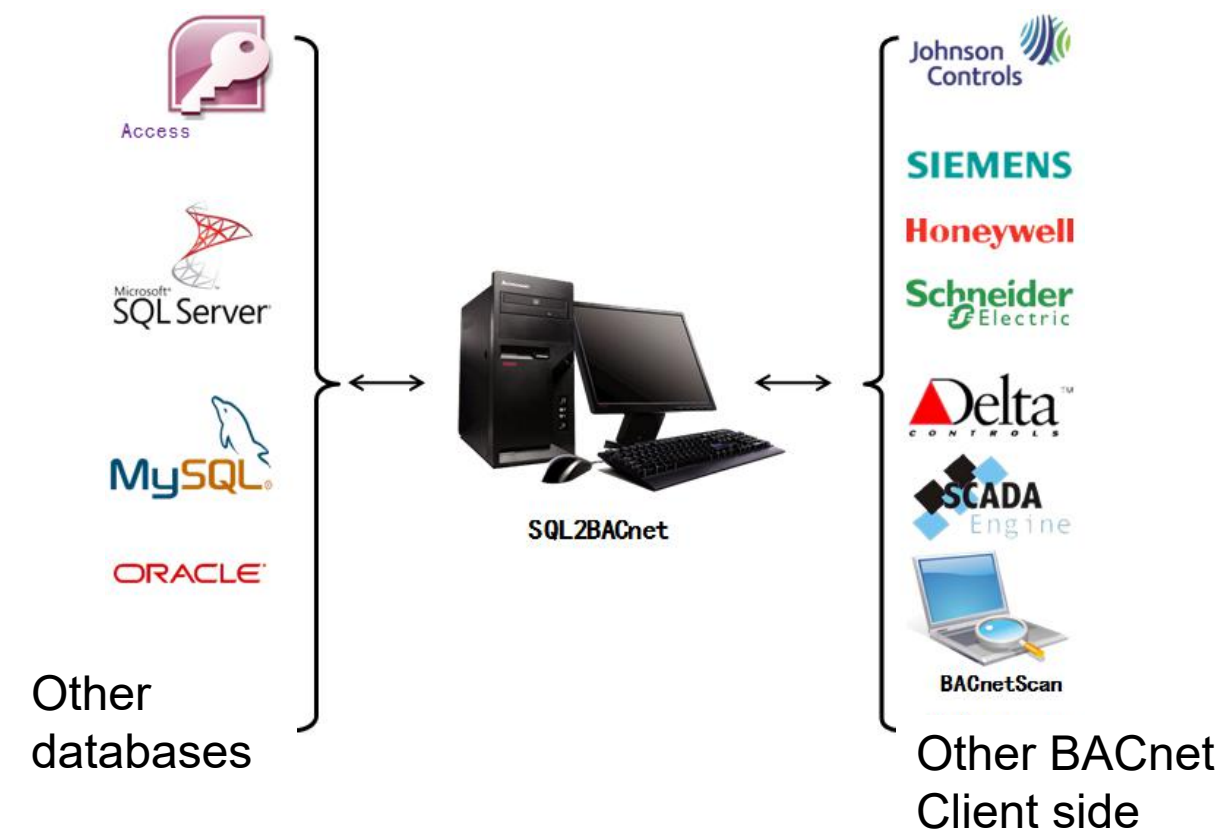
Software Features:

- 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

HMI2004-A9-GPRS
X2SMS-GPRS
Mail2SMS
SNMP1002-ARM
SNMP2004-ARM
IEC2004-ARM
SQL2BACnet

Application Principle
Diagram



- HMI2004-A9-GPRS
- X2SMS-GPRS
- Mai2SMS
- SNMP1002-ARM
- SNMP2004-ARM
- IEC2004-ARM
- SQL2BACnet**

HMI2004-A9-GPRS、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 RTUServer
- 12 OPC XML-DA
- 13 SNMP

Simulation

- 14 Simulator

Calorimeter for EU

- 15 MBus_EnergyMeter_EN

Calorimeter for CN

- 16 MBus_XinTuo_XTR
- 17 MBus_MaiTuo_MTW
- 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
- 35 ModbusRTU_D08_8C

Elevator

- 36 Hitachi Elevator BA Iterface
- 37 Mitsubishi Elevator SMOS-PS2
- 38 Mitsubishi Elevator KLR-F485
- 39 Otis Elevator BA Interface
- 40 ModbusRTU_Otis_BAS
- 41 Otis_Elevator_BA_Jen2
- 42 ModbusTCP_Thyssenkrupp_Elevator
- 43 ModbusRTU_Thyssenkrupp_Elevator
- 44 Mitsubishi Elevator SMOS-PS2_TCP
- 45 Modbus_Otis_Elevator
- 46 Modbus_Kone elevator
- 47 Modbus_Kone elevator ASCII
- 48 Mitsubishi Elevator MAXIEZ
- 49 Modbus_XIOLIFT_Elevator
- 50 XIOLIFT_Escalator

Electricity Meter

- 51 IEC104
- 52 DLT645-1997
- 53 DLT645-2007

54 Modbus PM800
55 Modbus IEM3000
56 CDT
57 DLT645-CHINT
58 Modbus_woyat

Airconditon

59 Toshiba_Airconditioning
60 EMERSON_ACM03U1
61 Hisense_Airconditioning
62 Joton Tmaster
63 Modbus_DAIKIN_IRACC
64 DAIKIN_DRCH-R5
65 VotonThermostat
66 SysGreen_Airconditioning
67 Hitachi_Chiller
68 SANYO_DG-52GHT
69 Gree_BaseStationAirconditioning
70 RC_Com
71 ZHONGHONG_VRVGateway
72 Modbus_YORK_YCOH120HSEM
73 Panasonic_Inverter
74 SamSung_DVM_Protocol

PLC

75 Mitsubishi FX1S
76 Mitsubishi FX2N
77 Mitsubishi FX3U
78 Mitsubishi FX_485ADP_485BD
79 Mitsubishi Melsec_Q_Serial
80 Mitsubishi Melsec_Q_TCP
81 MEGMEET_MC200
82 Haiwell E/S PLC
83 Haiwell H/N PLC
84 Panasonic FP
85 XINJE PLC

86 Haiwell H/N PLC
87 Panasonic FP
88 XINJE PLC
89 DELTA_DVP
90 FATEK_FB
91 OMRON_FINS_UDP
92 OMRON_FINS_Serial
93 Saia_SBus_UDP
94 Toshiba_PROVISOR_TC200
95 LS_GM_GLOFA_Enet
96 Siemens_IPC_PLC

Siemens PLC

97 Siemens S7-200 PPI
98 Siemens S7-200 Network
99 Siemens S7-300 Network
100 Siemens S7-1200 Network
101 XT55 GPS SERVER
102 Siemens_MicroMaster430

Lighting control

103 KNXnetIP
104 KNXnetIP_MultiCast
105 DyNet
106 Modbus LDS
107 MicroPara_DR0816
108 MicroPara_DR1220
109 MicroPara_DH0416
110 LitePuter_DP_105E
111 LitePuter_PLNET
112 MicroPara
113 ULaiDe
114 LDS
115 E_Linker_ECWG485
116 Lutron_Telnet
117 DALITEK_DigitalHotelInterface

118 Gfilcs_GF_LCS6008_NCC

UPS

119 SANTAK UPS

120 DELTA UPS ES3000

121 LEGRAND UPS

122 EMERSON_HIPULSE

123 EMERSON_Liebert_UPS

124 ModbusRTU_GE_UPS

125 EKSI_UPS

126 EMERSON_NXL

127 EMERSON_ITA40k_UPS

Solar Control

128 Cibsolar_CA

129 Kaseman GRC

Fire Alarm

130 JB-3208 CRT

131 Siemens Cerberus FS18

132 BOSCH_DS7400XI_TCP

133 BOSCH_DS7400XI

134 BOSCH_MTSW_UDPServer

135 VESDA_Open_HLI_Protocol

136 YANRONG_YR_LC_TXAH

137 NOTIFIRE_NFS2_3030_CRT

138 TYCO_Simplex_4100ZHU

139 LEADER_LD128E_CRT

Attemperator

140 LTM9662_485NET

Environmental Protection

141 SC_HuangMei

142 MQTT_Lora_TL_ACQ1

143 FRT_AQM1000

144 JiangSu_LYHB_COD

Radar

145 Hypersee_Radar

146 Hypersee_Alarm_Radar

Weight

147 Buhler_MEAF

148 METTLER_TOLEDO_SICS

149 YAOHUA_XK3190

150 XPBalance_ES_20KTS

151 GriffithElder_ContainerTilt

Other Protocols

152 FFU

153 Panasonic MINAS A5

154 SINOLY JINE_JA05

155 SAUTER_CASE_VAV

156 saj110_AlarmSystem

157 EMEC_LDPH

158 RKC_CH402

159 YuDian_AI_Single_loop

160 GreenDaoFenMuJi

161 SOLIN

162 Condair_PH

163 BIGBANIAN_AIRC800

164 ACTI_SignalSelector

165 Modbus_TG01W

166 Ebara_Densan_S-BCS

167 Modbus_HOLTOP_HDK_09S_BA

168 YeeFung_Parking_System

169 Projector

170 HeFei_Ahhfat

171 BoosterBoiler_NEURON_NXQ

172 Epson_PJLink

173 Lumi_Gateway

174 SUMITOMO_SE_D
175 AAF_EBMBUS_EC
176 Arspas_FFU
177 SW_5
178 BMS_RICHPOWER
179 BMS_PACE
180 XiAn_XinRiAuto_MT_CN

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