



Address: Room 603, Building 25, Lane 8633,
Zhongchun Road, Qibao Town,
Minhang District, Shanghai
28 Senang Crescent, #05-11,
Bizhub 28, Singapore 416601

Tel/Fax: +86 (0)21 5877 6098
+65 80385403

Website: www.bacnetchina.com/english
Email: milesgoiiot@gmail.com



Focus on Web HMI & IOT



FOCUS ON WEB HMI & IOT

Shanghai Sunfull Automation Co., LTD is a leading Manufacturer in China. We specialized in the research and development of gateway products: WEB HMI, WEB gateway, BACnet gateway, Modbus gateway, SNMP gateway, SMS/Wechat alarm gateway, private protocol development, cloud platform monitoring(iiotSaaS), OPC server, and energy management platform(uSaaS) etc.

Shanghai Sunfull devote to gateway products research and development in the field of building control, industrial control, transportation, air conditioning, and refrigeration, coal mine, water supply, energy and power,etc., and we take the lead in applying HTML5 SVG, WebSocket specification and AJAX technology to the gateway, so as to use mobile phone, iPad and other intelligent terminals to monitor real-time data on the browser through gateway.

Shanghai Sunfull has obtained the high-tech enterprise and software enterprise certificate, and our products have obtained the international OPC certification and BTL certification. Our company in accordance with the ISO9001 system management, has 32 software copyrights and 1 patent product.

As Shanghai Sunfull Automation, we know the importance of providing the most competitive pricing and good quality with the best possible delivery time. So we set up good team for Research and Development, Quality Control, Technical Support, Purchasing, Shipping, Sales and marketing.

Shanghai Sunfull Automation's primary objective is to provide our customers with the best service by providing complete, accurate, and the most comprehensive information in response to your requisition or request for quotation.

QUALIFICATION

Honor Certificate



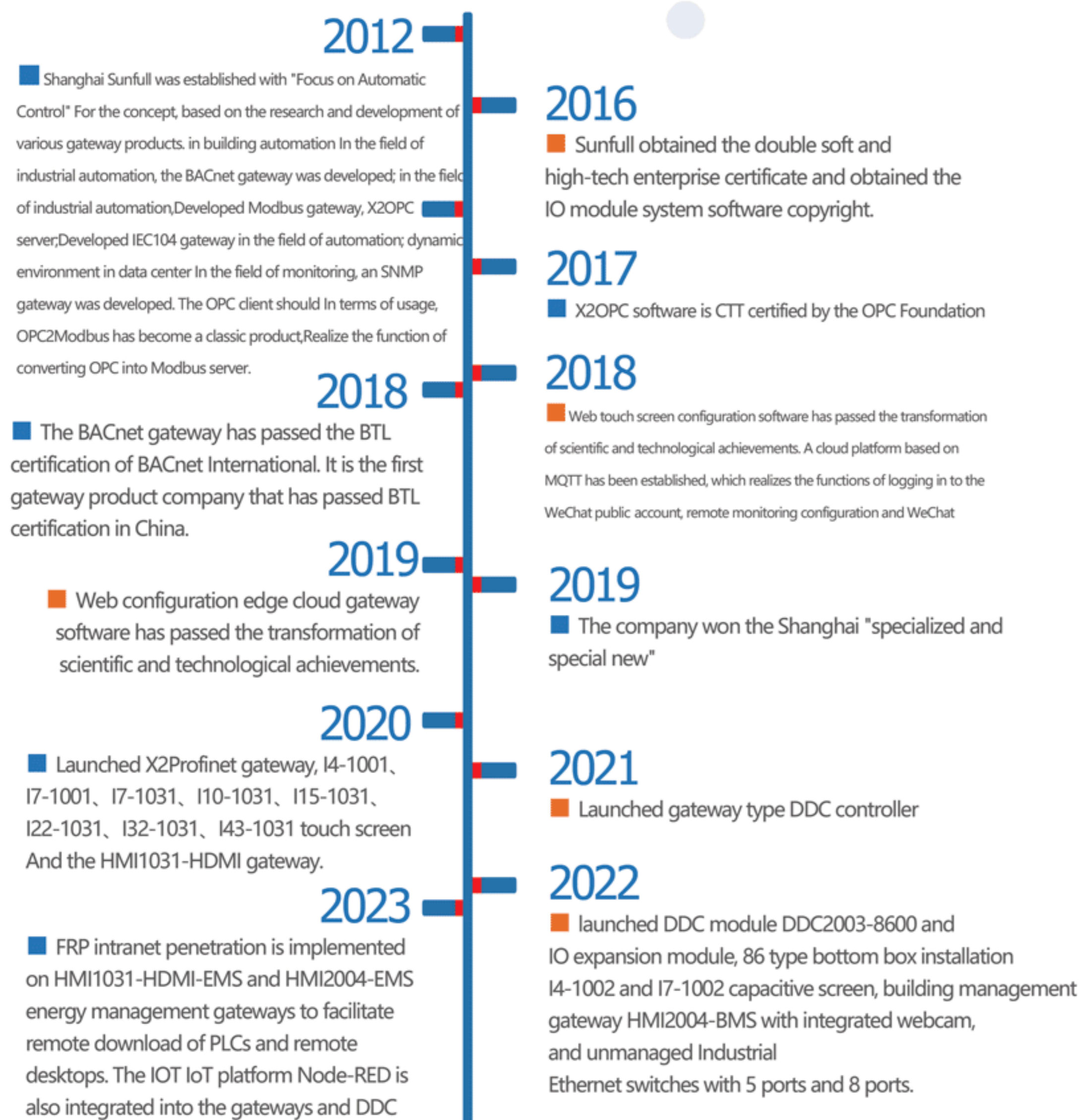
Certification



FOCUS ON WEB HMI & IOT

Software copyright



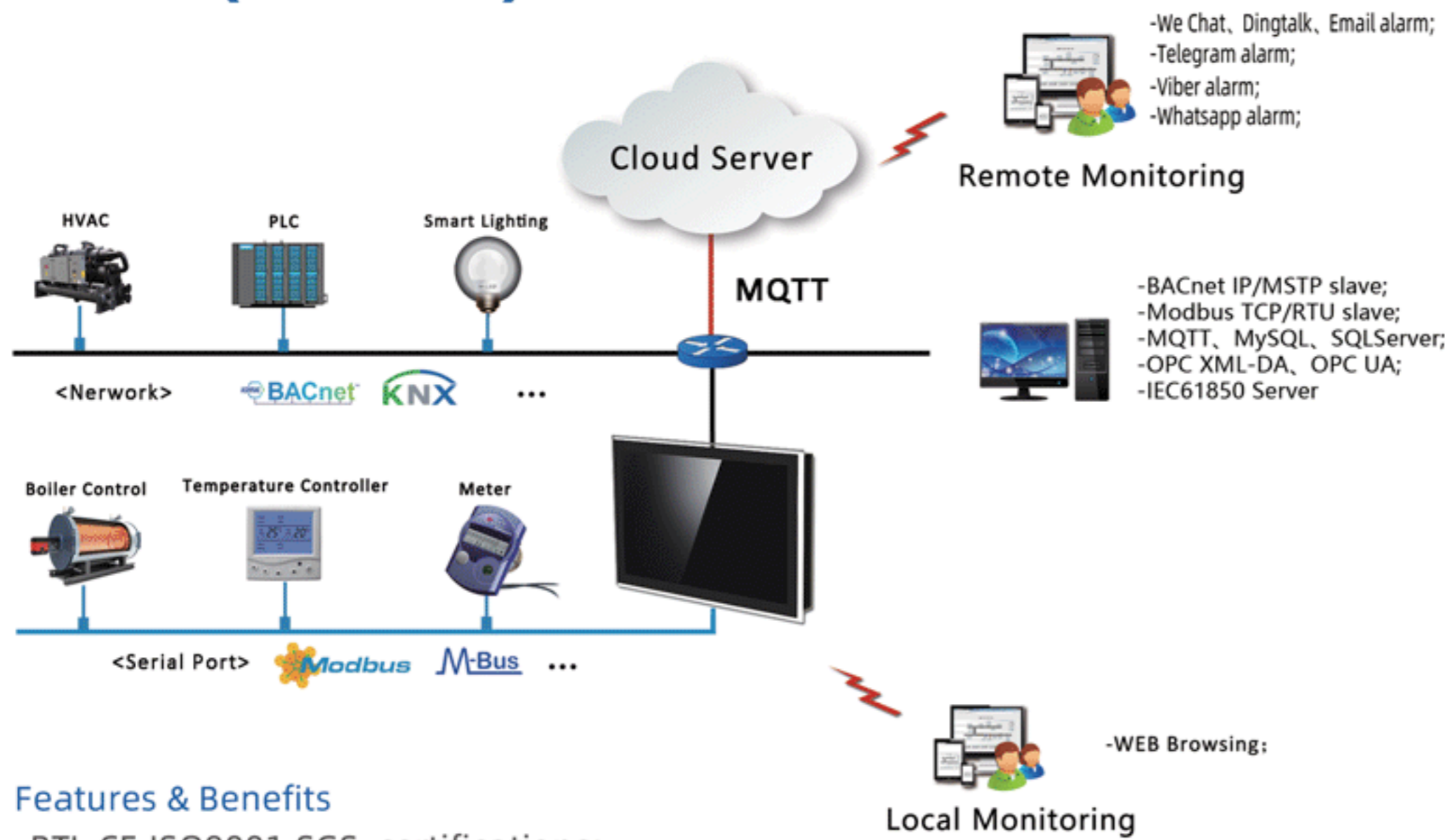


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WEB HMI (I series)



Features & Benefits

- BTL,CE,ISO9001.SGS certifications;
- 400+ protocols convert to BACnet,Modbus ,MQTT,OPC UA,OPC XML-DA;
- Easy to configure by X2VIEW;
- You can build full SCADA, HMI, and alarming systems, and other applications that put you fully in control of your processes, right from your phone,PC;
- Cloud Platform Integration work with WEB gateway;
- Support converting to BACnet server, Modbus server, MQTT/Cloud server,IEC61850 Server;
- Support WeChat, DingTalk, Telegram,Viber alarm,Whatsapp alarm;
- Support user group management, configuration screen monitoring can set permissions;
- Support various forms of timing, event triggering, and provide a custom function;
- Support local data simulation;
- MapStorage is open, can be customized;
- Support the timer, which can be used to run/stop the device at a fixed time or set values;
- Support remote monitoring of terminal device by smart phone, iPad and PC;
- Support cloud configuration;



Product Model	17-1031	110-1031	115-1031
Support Tags	2048		
Support Protocols	Support More than 400 protocols		
System	Linux		
Processor	4 core 1.2GHz		
Memory	1G		
Flash	8G		
Ethernet	1 x 10M/100M NIC		
Serial Port	3 RS485 serial ports, 1 RS232 serial port		
Power Supply	AC/DC 12V-24V (DC is recommended)	DC 24V	
Touch Type	Capacitive Touch screen		
Displayer	7" TFT	10.1" TFT	15.6" TFT
Hole Size/mm	180mm×114mm	242mm×163mm	242mm×163mm
Resolution/pixel	1024×600	1280×800	1920×1080
Material	Aluminum alloy front shell, sheet metal rear shell		
Weight	0.65Kg	1.30kg	2.8Kg
Power consumption	≤8W	≤10W	≤15W
Temperature	-10 ~ 50°C(working) -20 ~ 70°C(storage and transportation)		
Humidity	10% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)		

WEB HMI (86 type bottom box)



Features & Benefits

Except that I4-1002 does not support historical storage, other functions are the same as I7-1002;

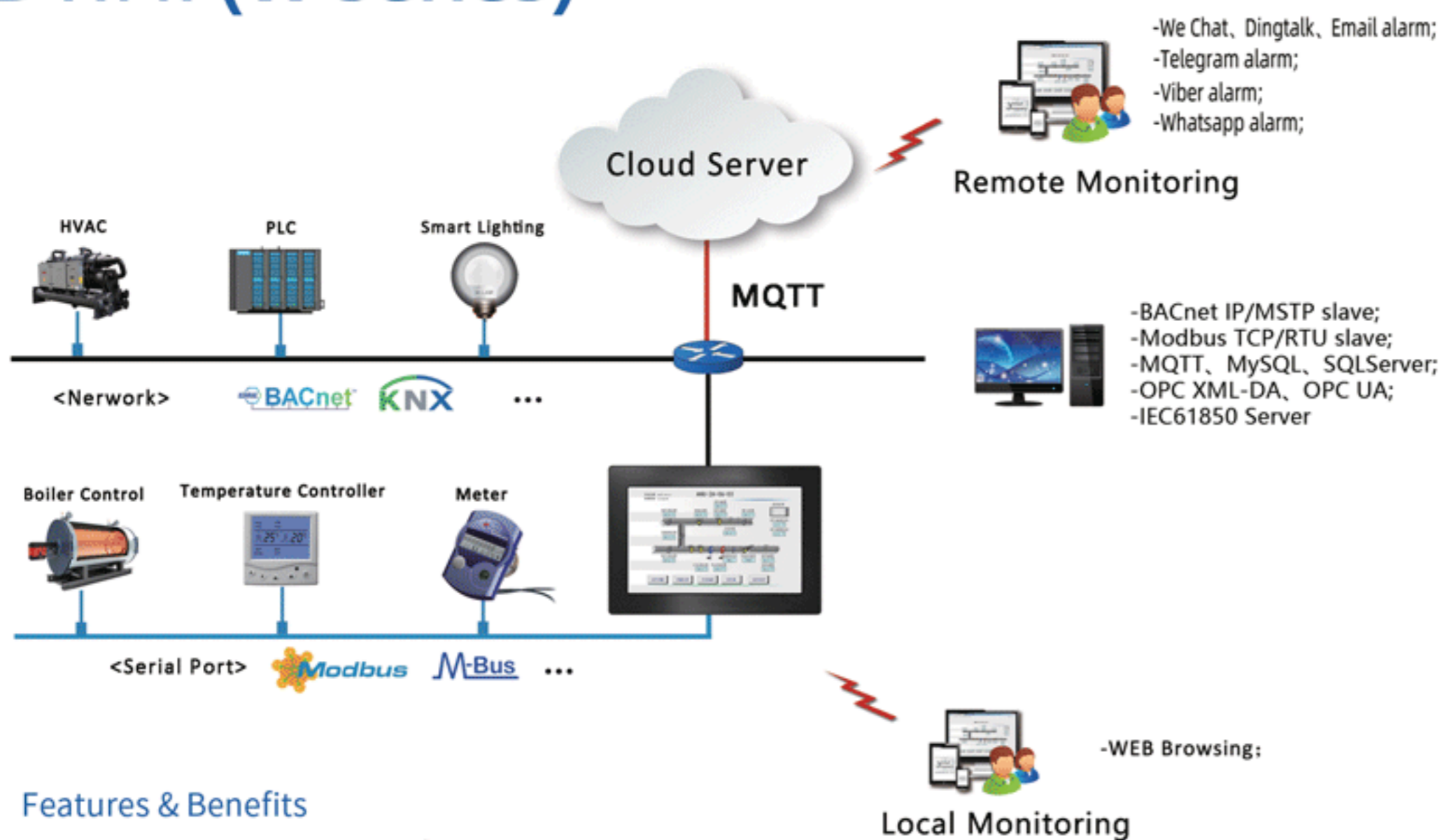
Both I4-1002 and I7-1002 support 86 box installation, and also use X2View configuration software to configure the project, focusing on smart home applications;

1. It can be used as a control panel, used in conference rooms to control projection, curtains, intelligent lighting, etc.;
2. It can be freely matched with the equipment of other manufacturers, and can realize one-key control of lighting, fresh air, air conditioning, heating, etc.;
3. The serial port communicates with environmental sensors to monitor temperature, humidity, CO₂, PM2.5, total volatile organic compounds (TVOC) and other environmental parameters;
4. The network port is connected to smart home gateways such as Lumi and Crestron to realize monitoring of human sensors, curtains, lights, etc.;
5. User-defined configuration screen, which can meet different application scenarios;
6. Support graphical, JS and PLC logic programming;
7. Support timetable and calendar setting, which is convenient to realize timing switch;
8. Open Modbus, BACnet, OPCUA, MQTT, Http and other interfaces to facilitate integration by third-party products or systems;
9. Built-in WEB server, convenient for mobile phone to access configuration screen;

Product Model	I4-1002	I7-1002
Support Tags	512	2048
Support Protocols	Support More than 400 protocols	
System	Linux	
Processor	1 core 800MHz	4 core 1.2GHz
Memory	512MB	1G
Flash	8G	
Interface	1 x 10M/100M NIC	
Serial Port	2 RS485 serial port	
Power Supply	DC/AC 12V-24V (DC is recommended)	
Touch Type	Capacitive Touch screen	
Displayer	4"TFT	7"TFT
Installation	86 type bottom box	
Resolution/pixel	480x480	1024x600
Material	ABS plastic	
Weight	150g	300g
Power consumption	≤6W	≤8W
Temperature	-10 ~ 50°C(working) -20 ~ 70°C(storage and transportation)	
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)	
Wifi Module	Optional	

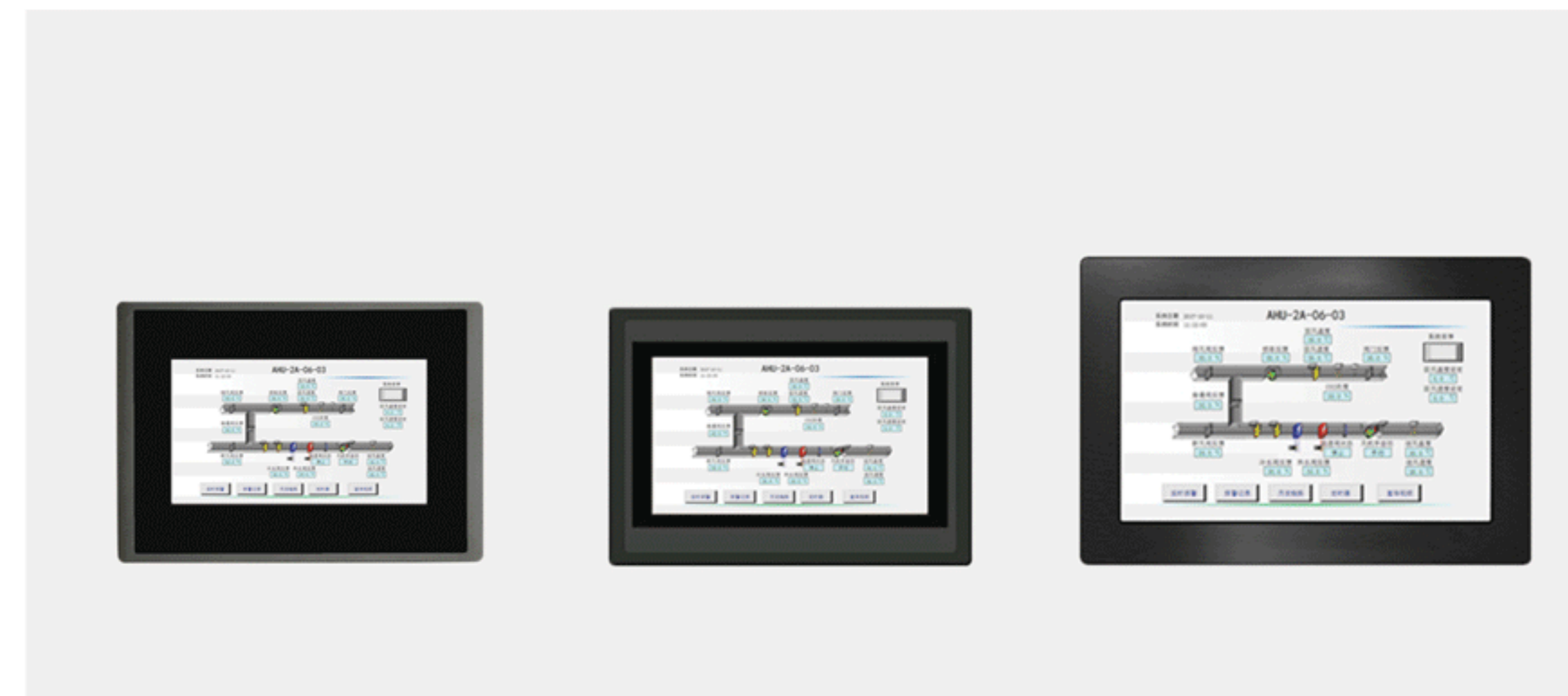


WEB HMI (W series)



Features & Benefits

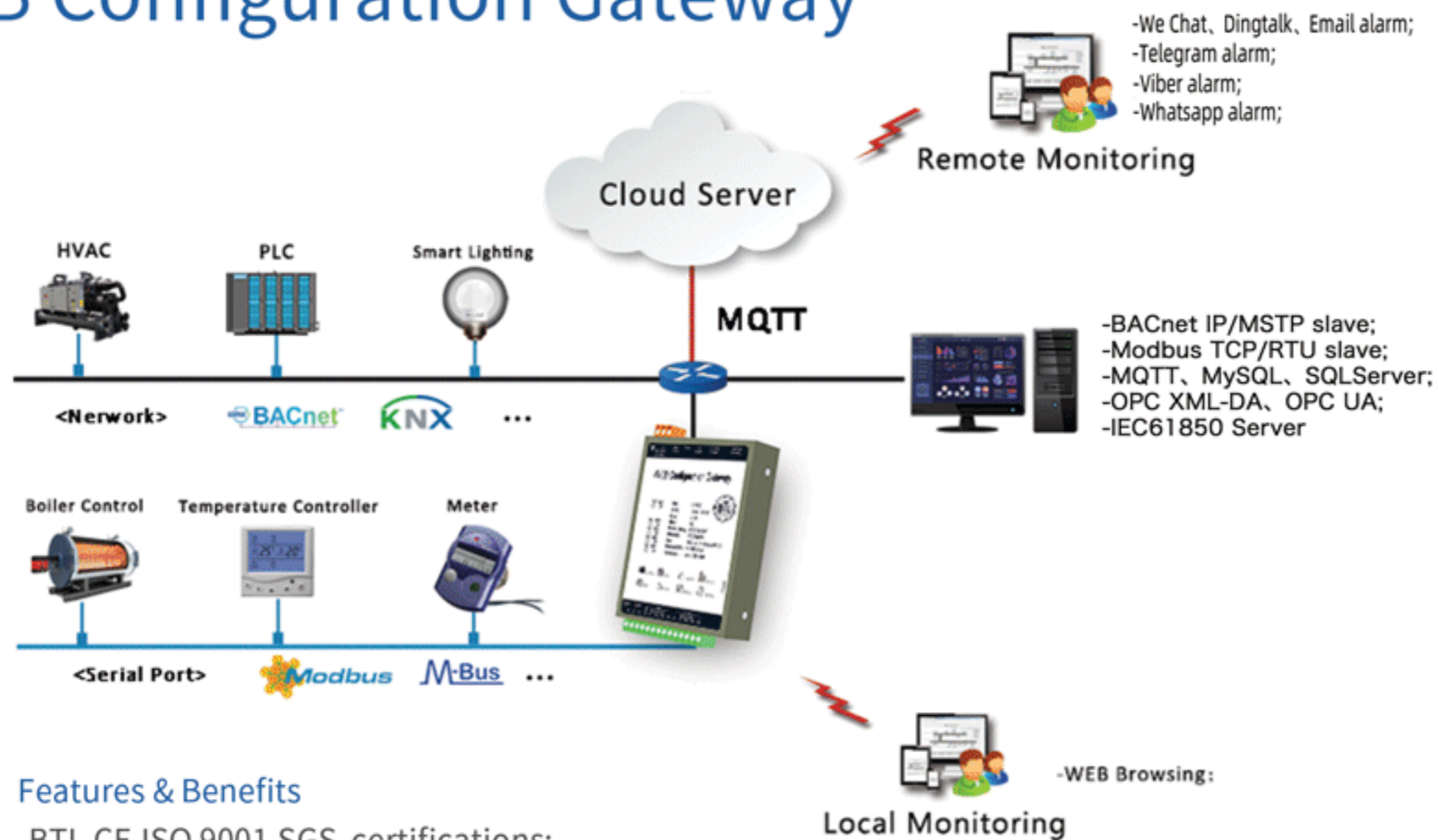
- BTL,CE,ISO9001.SGS certifications;
- 400+ protocols convert to BACnet,Modbus ,MQTT,OPC UA,OPC XML-DA;
- Easy to configure by X2VIEW;
- You can build full SCADA, HMI, and alarming systems, and other applications that put you fully in control of your processes, right from your phone,PC;
- Cloud Platform Integration work with WEB gateway;
- Support converting to BACnet server, Modbus server, MQTT/Cloud server,IEC61850 Server;
- Support WeChat, DingTalk, Telegram,Viber alarm,Whatsapp alarm;
- Support user group management, configuration screen monitoring can set permissions;
- Support various forms of timing, event triggering, and provide a custom function;
- Support local data simulation;
- MapStorage is open, can be customized;
- Support the timer, which can be used to start/stop the device at a fixed time or set values;
- Support remote monitoring of terminal device by smart phone, iPad and PC;
- Support cloud configuration;



Product Model	W7-1041C	W7-1041	W10-1041
Support Tags	2048		
Support Protocols	Support More than 400 protocols		
System	Linux		
Processor	4 core 1.4GHz		
Memory	1G		
Flash	8G		
Interface	1 x 100M/10M NIC		
Serial Port	4 RS485 serial ports, 1 RS232 serial port		
Power Supply	AC/DC 24V		
Touch Type	Capacitive Touch screen	Resistance-type	
Displayer	7" TFT		10.1" TFT
Hole Size/mm	210.5mm×146.5mm		257mm×176mm
Resolution/pixel	1024×600		1280×800
Material	Plastic		Metal
Weight	0.55kg		1.85kg
Power consumption	≤8W		≤10W
Temperature	-10 ~ 50°C(working) -20 ~ 70°C(storage and transportation)		
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)		
WiFi Module	Optional		
LoRa Module	Optional		



WEB Configuration Gateway



Features & Benefits

- BTL,CE,ISO 9001.SGS certifications;
- 400+ protocols convert to BACnet,Modbus ,MQTT,OPC UA,OPC XML-DA;
- You can build full SCADA, HMI, and alarming systems, and other applications that put you fully in control of your processes, right from your phone,PC;
- Support the timer, which can be used to start/stop the device at a fixed time or set values;
- Support converting to BACnet server, Modbus server, MQTT/Cloud server,IEC61850 Server;
- Support user group management, configuration screen monitoring can set permissions;
- Support various forms of timing, event triggering, and provide a custom function;
- Support local data simulation;
- MapStorage is open, can be customized;
- Support remote monitoring of terminal device by smart phone, iPad and PC;
- Support WeChat, DingTalk, Telegram,Viber alarm,Whatsapp alarm;
- Cloud Platform Integration work with WEB gateway;
- Support cloud configuration;



Product Model	HMI1001-ARM	HMI1002-ARM	HMI2004-ARM	HMI2004-A9
Support Tags	256	512	1024	2048
Support Protocols	Support More than 400 protocols			
System	Linux			
Processor	1 core 300MHz		4 core 1.4GHz	
Memory	64M		512M	
Flash	128M		8G	
Power consumption	6W		8W	
Power Supply	AC/DC 12-24V			
Interface	1 x 10M/100M NIC		2 x 10M/100M NIC	
Serial Port	1 x RS485/RS232(Alternative)	2 x RS485/RS232(Alternative)	2 x Full Isolation RS485, 2 x RS485/RS232(Alternative)	
Dimension/mm	118mm×74mm×35mm	129mm×81mm×34mm	147mm×95mm×35mm	
Weight	300g	350g	450g	
Material	Galvanized Steel			
Installation	DIN-Rail			
Temperature	-20 ~ 70°C(working) -40 ~ 85°C(storage and transportation)			
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)			
LORA Module	optional			

BACnet Server

Register type	Number of registers		
	1001	1002	2004/touch panel
AI(Read only)	256 (0-255)	512 (0-511)	2048 (0-2047)
AO(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
AV(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
BI(Read only)	256 (0-255)	512 (0-511)	2048 (0-2047)
BO(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
BV(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
MSI(Read only)	256 (0-255)	512 (0-511)	2048 (0-2047)
MSO(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
MSV(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)

Modbus Server

Register type	Number or registers		
	1001	1002	2004
0X(Read&Write)	256	512	1024
1X(Read only)	256	512	1024
4X(Read&Write)	256	512	1024
3X(Read only)	256	512	1024

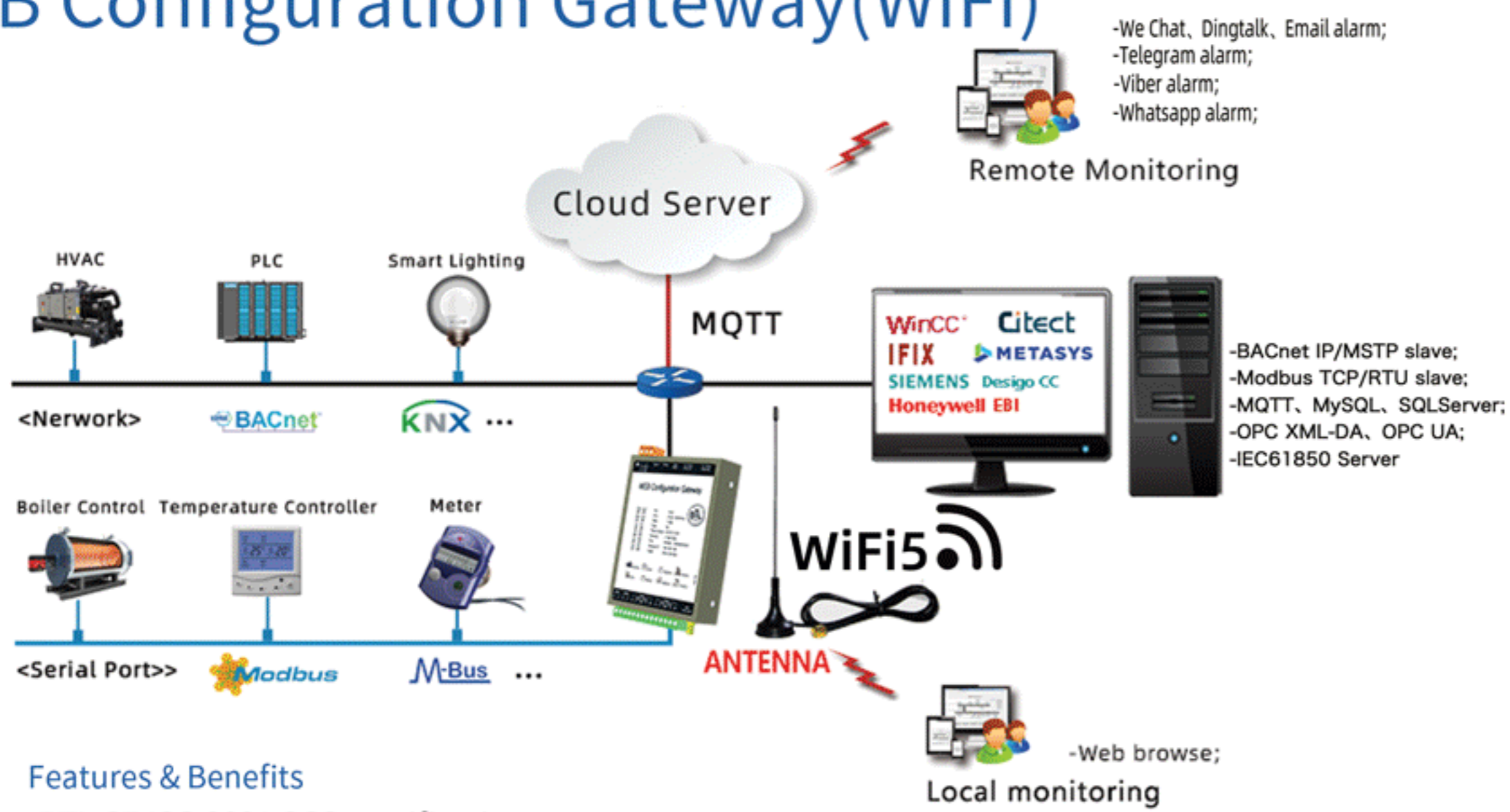
Register Address Specification of Modbus Slave

Register Address of 4X&3X = BACnet Register Address*2 +1

Register Address of 0X&1X = BACnet Register Address +1



WEB Configuration Gateway(WiFi)



Features & Benefits

- BTL,CE,ISO 9001.SGS certifications;
- 400+ protocols convert to BACnet,Modbus ,MQTT,OPC UA,OPC XML-DA;
- You can build full SCADA, HMI, and alarming systems, and other applications that put you fully in control of your processes, right from your phone,PC;
- Support the timer, which can be used to start/stop the device at a fixed time or set values;
- Support converting to BACnet server, Modbus server, MQTT/Cloud server,IEC61850 Server;
- Support user group management, configuration screen monitoring can set permissions;
- Support various forms of timing, event triggering, and provide a custom function;
- Support local data simulation;
- MapStorage is open, can be customized;
- Support remote monitoring of terminal device by smart phone, iPad and PC;
- Support WeChat, DingTalk, Telegram,Viber alarm,Whatsapp alarm;
- Cloud Platform Integration work with WEB gateway;
- Support cloud configuration;



Product Model	HMI1001-ARM-WiFi	HMI1002-ARM-WiFi	HMI2004-ARM-WiFi	HMI2004-A9-WiFi
Support Tags	256	512	1024	2048
Support Protocols	Support More than 400 protocols			
System	Linux			
Processor	1 core 300MHz		4 core 1.4GHz	
Memory	64M		512M	
Flash	128M		8G	
Power consumption	6W		8W	
Power Supply	AC/DC 12-24V			
WiFi	WiFi5			
Interface	1 x 10M/100M NIC		2 x 10M/100M NIC	
Serial Port	1 x RS485/RS232(Alternative)	2 x RS485/RS232(Alternative)	2 x Full Isolation RS485,2 x RS485/RS232(Alternative)	
Dimension/mm	118mmx74mmx35mm	129mmx81mmx34mm	147mmx95mmx35mm	
Weight	300g	350g	450g	
Material	Galvanized Steel			
Installation	DIN-Rail			
Temperature	-20 ~ 70°C(working) -40 ~ 85°C(storage and transportation)			
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)			

BACnet Server

Register type	Number of registers		
	1001	1002	2004/touch panel
AI(Read only)	256 (0-255)	512 (0-511)	2048 (0-2047)
AO(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
AV(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
BI(Read only)	256 (0-255)	512 (0-511)	2048 (0-2047)
BO(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
BV(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
MSI(Read only)	256 (0-255)	512 (0-511)	2048 (0-2047)
MSO(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
MSV(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)

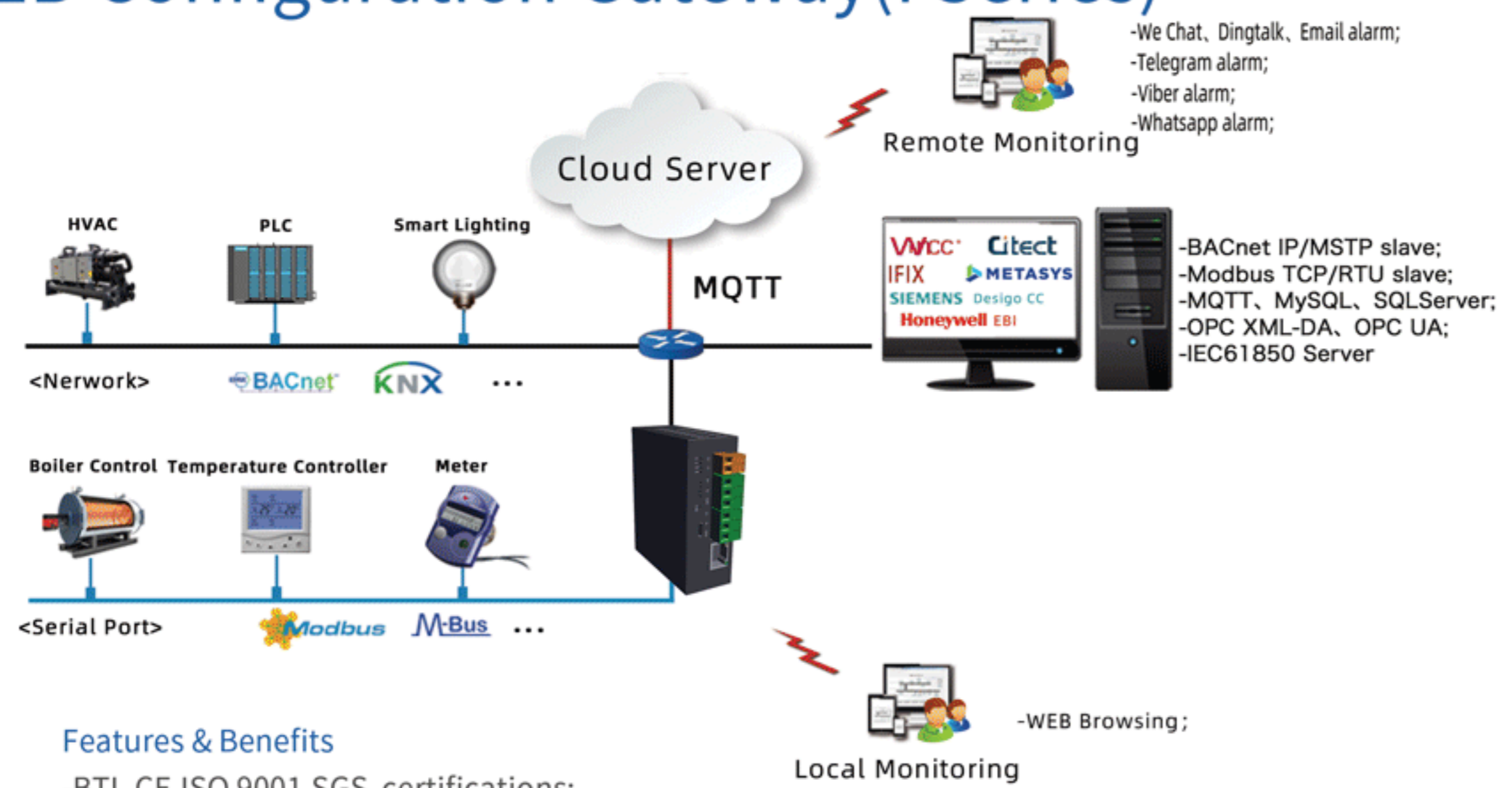
Modbus Server

Register type	Number or registers		
	1001	1002	2004
0X(Read&Write)	256	512	1024
1X(Read only)	256	512	1024
4X(Read&Write)	256	512	1024
3X(Read only)	256	512	1024

Register Address Specification of Modbus Slave
 Register Address of 4X&3X = BACnet Register Address*2 +1
 Register Address of 0X&1X = BACnet Register Address +1



WEB Configuration Gateway(I Series)



Features & Benefits

- BTL,CE,ISO 9001.SGS certifications;
- 400+ protocols convert to BACnet,Modbus ,MQTT,OPC UA,OPC XML-DA;
- You can build full SCADA, HMI, and alarming systems, and other applications that put you fully in control of your processes, right from your phone,PC;
- Support the timer, which can be used to start/stop the device at a fixed time or set values;
- Support converting to BACnet server, Modbus server, MQTT/Cloud server,IEC61850 Server;
- Support user group management, configuration screen monitoring can set permissions;
- Support various forms of timing, event triggering, and provide a custom function;
- Support local data simulation;
- MapStorage is open, can be customized;
- Support remote monitoring of terminal device by smart phone, iPad and PC;
- Support WeChat,DingTalk,Telegram,Viber alarm,Whatsapp alarm;
- Cloud Platform Integration work with WEB gateway;
- Support cloud configuration;



Product Model	HMI1002-ARM(NXP)	HMI1004-ARM
Support Tags	512	1024
Support Protocols	Support More than 400 protocols	
System	Linux	
Processor	1 core 800MHz	4 core 1.2GHz
Memory	512M	1G
Flash	8G	
Power consumption	6W	8W
Power Supply	AC/DC 12-24V	
Interface	1 x 10M/100M NIC	
Serial Port	2 x RS485(Alternative)	4 x RS485(Alternative)
Dimension/mm	95mm×90mm×32mm	109mm×96mm×31mm
Weight	250g	300g
Material	sheet metal rear shell	
Installation	DIN-Rail	
Temperature	-20 ~ 70°C(working) -40 ~ 85°C(storage and transportation)	
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)	

BACnet Server

Register type	Number or registers	
	1002	1004
AI(Read only)	512(0~511)	1024(0~1023)
AO(Read&Write)	512(0~511)	1024(0~1023)
AV(Read&Write)	512(0~511)	1024(0~1023)
BI(Read only)	512(0~511)	1024(0~1023)
BO(Read&Write)	512(0~511)	1024(0~1023)
BV(Read&Write)	512(0~511)	1024(0~1023)
MI(Read only)	512(0~511)	1024(0~1023)
MO(Read&Write)	512(0~511)	1024(0~1023)
MV(Read&Write)	512(0~511)	1024(0~1023)

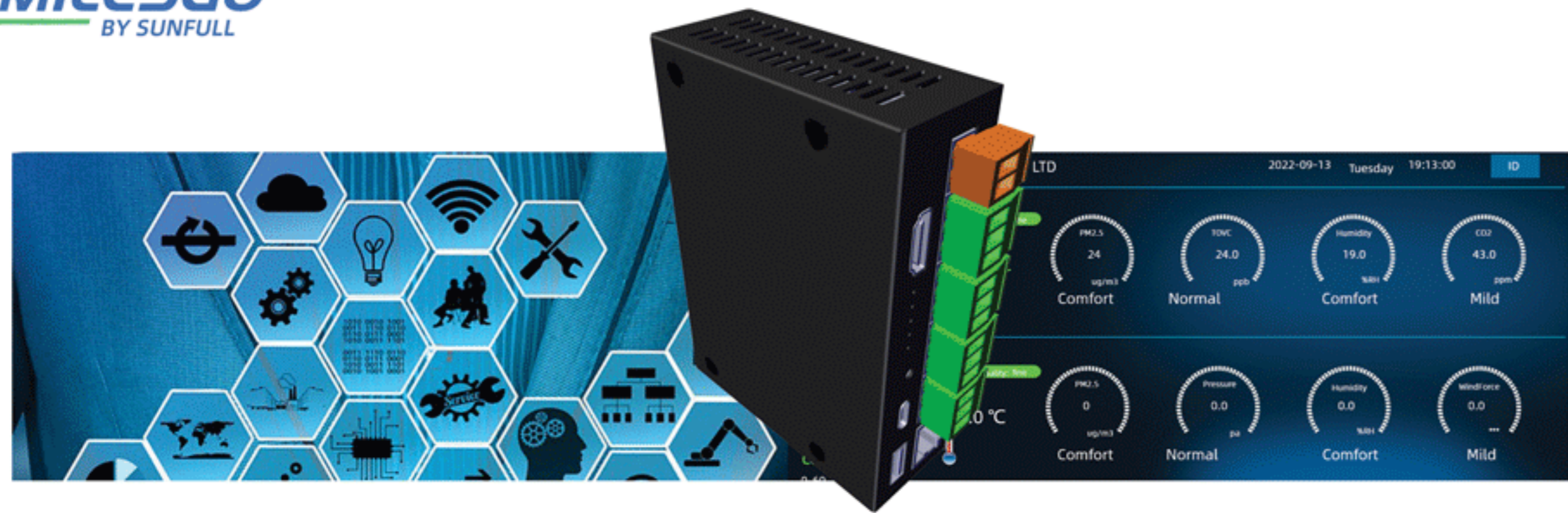
Modbus Server

Register type	Number or registers	
	1002	1004
0X(Read&Write)	512	1024
1X(Read only)	512	1024
4X(Read&Write)	512	1024
3X(Read only)	512	1024

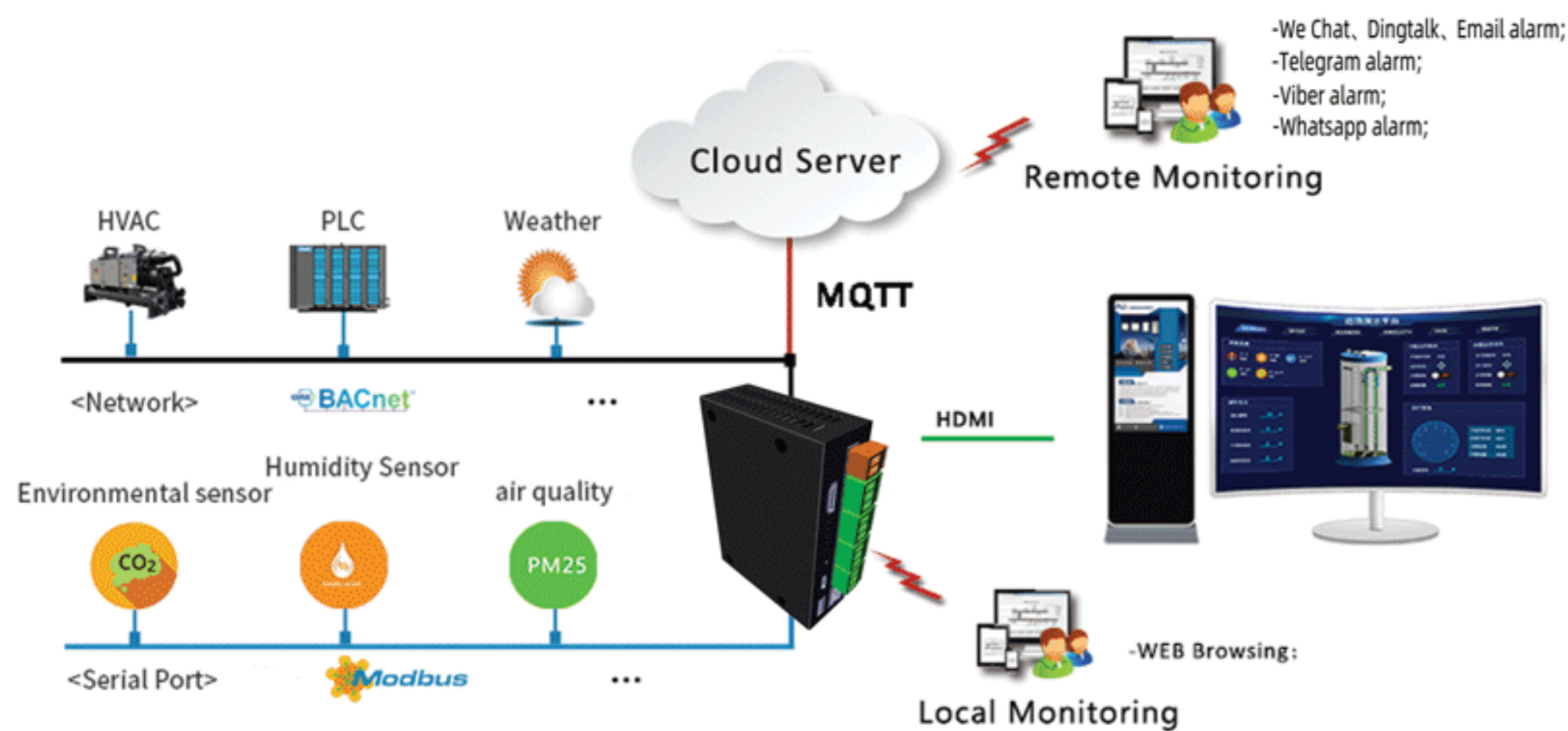
Register Address Specification of Modbus Slave

Register Address of 4X&3X = BACnet Register Address*2 +1

Register Address of 0X&1X = BACnet Register Address +1

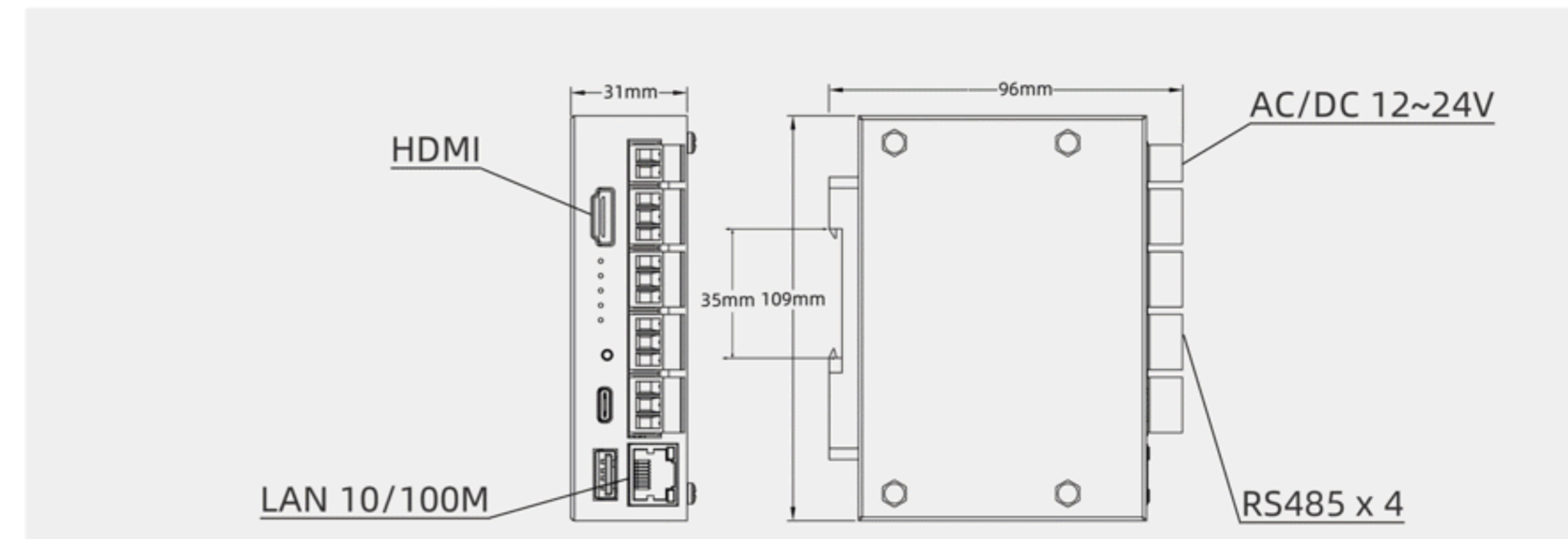


WEB Configuration Gateway(HDMI)



Features & Benefits

- BTL,CE,ISO 9001.SGS certifications;
- 400+ protocols convert to BACnet,Modbus ,MQTT,OPC UA,OPC XML-DA;
- You can build full SCADA, HMI, and alarming systems, and other applications that put you fully in control of your processes, right from your phone,PC;
- Support the timer, which can be used to start/stop the device at a fixed time or set values;
- Support converting to BACnet server, Modbus server, MQTT/Cloud server,IEC61850 Server;
- Support user group management, configuration screen monitoring can set permissions;
- Support various forms of timing, event triggering, and provide a custom function;
- Support local data simulation;
- Support connection with sensors to realize large-screen display of environmental data such as temperature, humidity, CO₂, PM2.5, TVOC, etc.;
- MapStorage is open, can be customized;
- Support remote monitoring of terminal device by smart phone, iPad and PC;
- Support WeChat, DingTalk, Telegram, Viber alarm,Whatsapp alarm;
- Cloud Platform Integration work with WEB gateway;
- Support cloud configuration;



Product Model	HMI1004-HDMI
Support Tags	1024
Support Protocols	Support More than 400 protocols
System	Linux
Processor	4 core 1.2GHz
Memory	1G
Flash	8G
Power consumption	8W
Power Supply	AC/DC 12-24V
Interface	1 x 10M/100M NIC
Serial Port	4 x RS485(Alternative)
Dimension/mm	109mmx96mmx31mm
Weight	300g
Material	sheet metal rear shell
Installation	DIN-Rail
Temperature	-20 ~ 70°C(working) -40 ~ 85°C(storage and transportation)
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)

BACnet Server

Register type	Number or registers
AI(Read only)	1024(0~1023)
AO(Read&Write)	1024(0~1023)
AV(Read&Write)	1024(0~1023)
BI(Read only)	1024(0~1023)
BO(Read&Write)	1024(0~1023)
BV(Read&Write)	1024(0~1023)
MI(Read only)	1024(0~1023)
MO(Read&Write)	1024(0~1023)
MV(Read&Write)	1024(0~1023)

Modbus Server

Register type	Number or registers
0X(Read&Write)	1024
1X(Read only)	1024
4X(Read&Write)	1024
3X(Read only)	1024

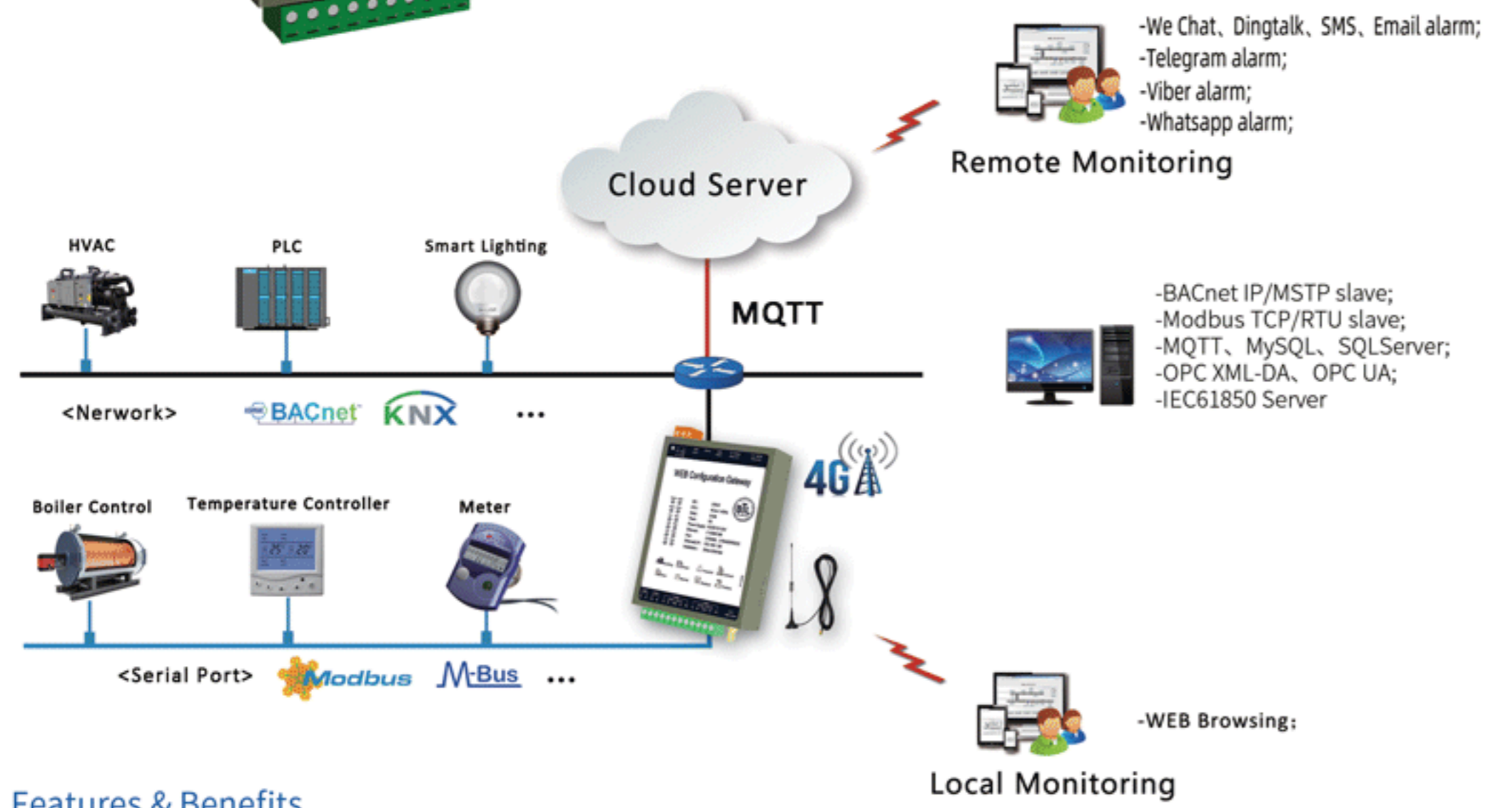
Register Address Specification of Modbus Slave

Register Address of 4X&3X = BACnet Register Address*2 +1

Register Address of 0X&1X = BACnet Register Address +1



IOT Edge Gateway (4G)



Features & Benefits

- BTL,CE,ISO 9001.SGS certifications;
- 400+ protocols convert to BACnet,Modbus ,MQTT,OPC UA,OPC XML-DA;
- Easy to configure by X2VIEW;
- You can build full SCADA, HMI, and alarming systems, and other applications that put you fully in control of your processes, right from your phone,PC;
- Cloud Platform Integration work with WEB gateway;
- Support converting to BACnet server, Modbus server, MQTT/Cloud server,IEC61850 Server;
- Support 4G/3G/2G;
- Support WeChat, DingTalk, SMS, phone, Telegram,Viber alarm,Whatsapp alarm;
- Support user group management, configuration screen monitoring can set permissions;
- Support various forms of timing, event triggering, and provide a custom function;
- Support local data simulation;
- MapStorage is open, can be customized;
- Support the timer, which can be used to start/stop the device at a fixed time or set values;
- Support remote monitoring of terminal device by smart phone, iPad and PC;
- Support cloud configuration;



Product Model	HMI1001-ARM-4G	HMI1002-ARM-4G	HMI2004-ARM-4G	HMI2004-A9-4G
Support Tags	256	512	1024	2048
Support Protocols	Support More than 400 protocols			
System	Linux			
Processor	1 core 300MHz		4 core 1.4GHz	
Memory	64M		512M	
Flash	128M		8G	
Power consumption	6W		8W	
Power Supply	AC/DC 12-24V			
SIM Card Slot	1 SIM Card Slot, Support 4G/3G/2G			
Interface	1 x 10M/100M NIC		2 x 10M/100M NIC	
Serial Port	1 x RS485/RS232(Alternative)	2 x RS485/RS232(Alternative)	2 x Full Isolation RS485, 2 x RS485/RS232(Alternative)	
Dimension/mm	118mm×74mm×35mm	129mm×81mm×34mm	147mm×95mm×35mm	
Weight	300g	350g	450g	
Material	Galvanized Steel			
Installation	DIN-Rail			
Temperature	-20 ~ 70°C(working) -40 ~ 85°C(storage and transportation)			
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)			

BACnet Server

Register type	Number of registers		
	1001	1002	2004/touch panel
AI(Read only)	256 (0-255)	512 (0-511)	2048 (0-2047)
AO(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
AV(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
BI(Read only)	256 (0-255)	512 (0-511)	2048 (0-2047)
BO(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
BV(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
MSI(Read only)	256 (0-255)	512 (0-511)	2048 (0-2047)
MSO(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)
MSV(Read&Write)	256 (0-255)	512 (0-511)	2048 (0-2047)

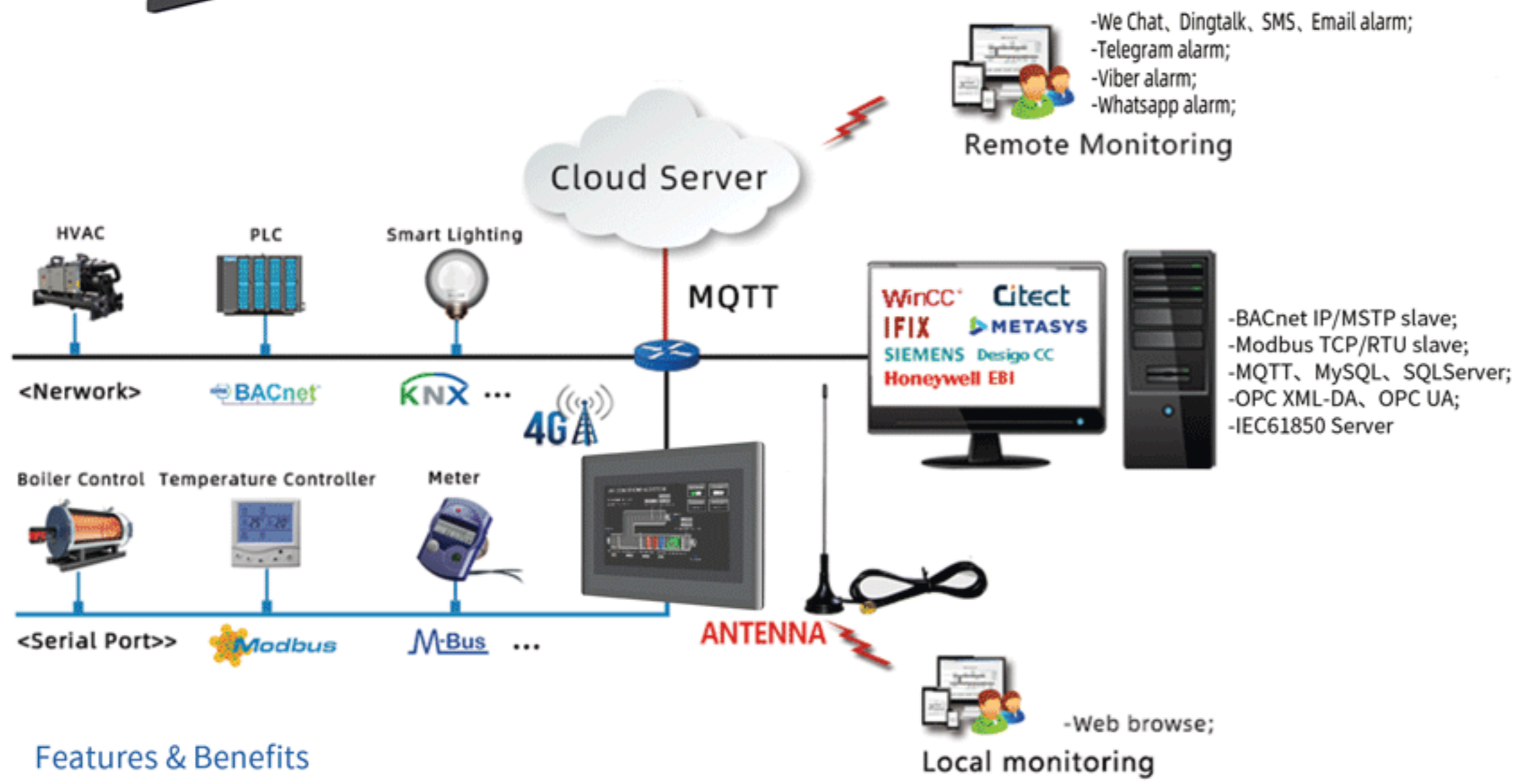
Modbus Server

Register type	Number of registers		
	1001	1002	2004
0X(Read&Write)	256	512	1024
1X(Read only)	256	512	1024
4X(Read&Write)	256	512	1024
3X(Read only)	256	512	1024

Register Address Specification of Modbus Slave

Register Address of 4X&3X = BACnet Register Address*2 +1

Register Address of 0X&1X = BACnet Register Address +1



Features & Benefits

- BTL,CE,ISO 9001.SGS certifications;
- 400+ protocols convert to BACnet,Modbus ,MQTT,OPC UA,OPC XML-DA;
- Easy to configure by X2VIEW;
- You can build full SCADA, HMI, and alarming systems, and other applications that put you fully in control of your processes, right from your phone,PC;
- Cloud Platform Integration work with WEB gateway;
- Support converting to BACnet server, Modbus server, MQTT/Cloud server,IEC61850 Server;
- Support 4G/3G/2G;
- Support WeChat, DingTalk, SMS, phone,Telegram,Viber alarm,Whatsapp alarm;
- Support user group management, configuration screen monitoring can set permissions;
- Support various forms of timing, event triggering, and provide a custom function;
- Support local data simulation;
- MapStorage is open, can be customized;
- Support the timer, which can be used to start/stop the device at a fixed time or set values;
- Support remote monitoring of terminal device by smart phone, iPad and PC;
- Support cloud configuration;

Product Model	W7-1041-4G	W10-1041-4G
Support Tags	2048	
Support Protocols	Support More than 400 protocols	
System	Linux	
Processor	4 core 1.4GHz	
Memory	1G	
Flash	8G	
SIM Card Slot	1 SIM Card Slot, Suppot 4G/3G/2G	
Ethernet	1 x 10M/100M NIC	
Serial Port	4 RS485 serial ports, 1 RS232 serial port	
Power Supply	AC/DC 12V-24V	
Touch Type	Resistance-type	
Displayer	7"TFT	10.1"TFT
Hole Size/mm	210.5mm×146.5mm	257mm×176mm
Resolution/pixel	1024×600	1280×800
Material	Plastic Shell	Metal
Weight	0.55kg	1.85kg
Power consumption	≤8W	≤10W
Temperature	-10 ~ 50°C(working) -20 ~ 70°C(storage and transportation)	
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)	

BACnet Server

Register type	Number or registers
AI(Read only)	2048(0~2047)
AO(Read&Write)	2048(0~2047)
AV(Read&Write)	2048(0~2047)
BI(Read only)	2048(0~2047)
BO(Read&Write)	2048(0~2047)
BV(Read&Write)	2048(0~2047)
MI(Read only)	2048(0~2047)
MO(Read&Write)	2048(0~2047)
MV(Read&Write)	2048(0~2047)

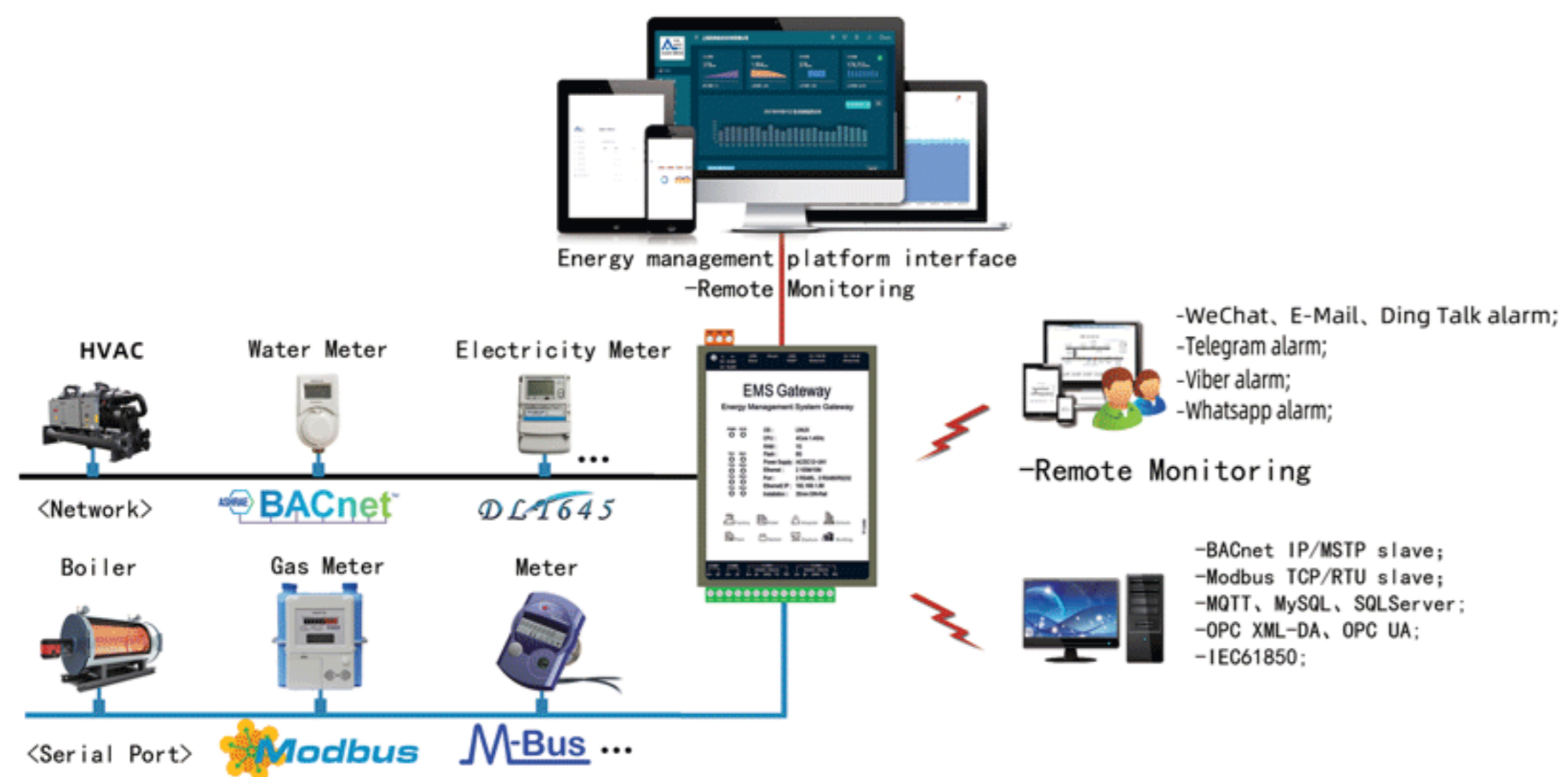
Modbus Server

Register type	Number or registers
0X(Read&Write)	2048
1X(Read only)	2048
4X(Read&Write)	2048
3X(Read only)	2048

Register Address Specification of Modbus Slave
 Register Address of 4X&3X = BACnet Register Address*2 +1
 Register Address of 0X&1X = BACnet Register Address +1

Energy Management Gateway

The Sunfull Energy management Gateway can realize to collect, measure, charge, save and categorize data from water electricity, gas, cold/heat source, etc., and have the electricity utilization record of Peak-valley.



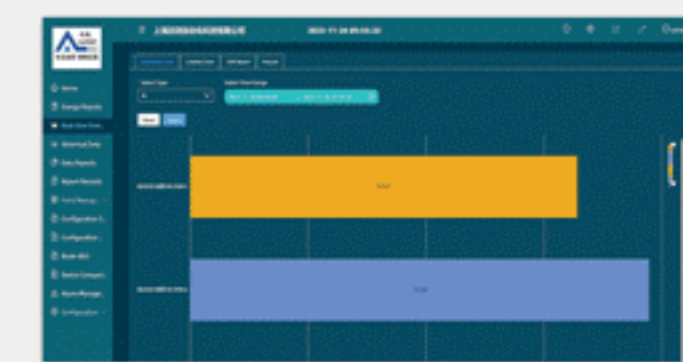
Features & Benefits

- Support the user to summary and manage the unified of energy consumption data.
- Support RTSP standard cameras to convert to http protocol.
- Support Peak, valley, flat to analyze energy consumption.
- Support Pie chart, Line chart, Column chart to show directly.
- Support year, month, week, day report. Provide with the import and export, filter and storage functions.
- Support the user to grade the permission, which can achieve login operation according to the different permission level.
- Support converting to BACnet, Modbus, OPC UA, MQTT/ Cloud server.
- Support WeChat, DingTalk, E-mail, Telegram alarm, Viber alarm, Whatsapp alarm.
- Support real-time monitoring remotely
- Support to browse the configuration screen on the Web.



Home page spectaculars

Single device consumption and total regional consumption can be displayed intuitively in card mode way.



Real-time monitoring

Device data can be controlled and displayed in real time, which is convenient for users to operate remotely.



Energ data analysis

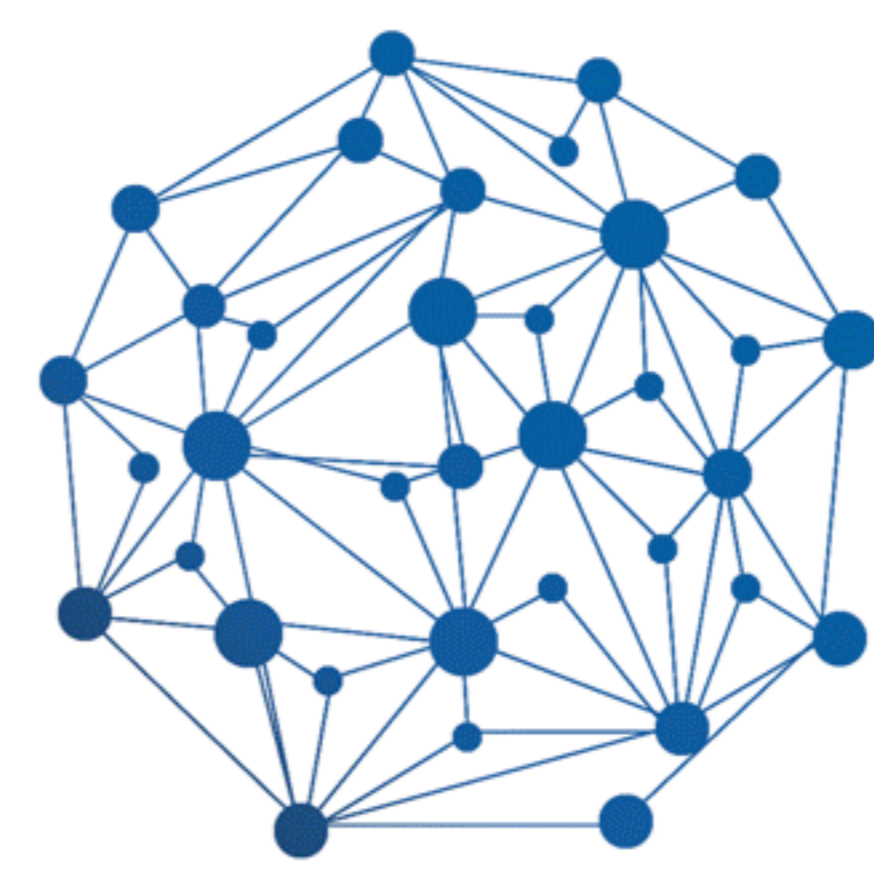
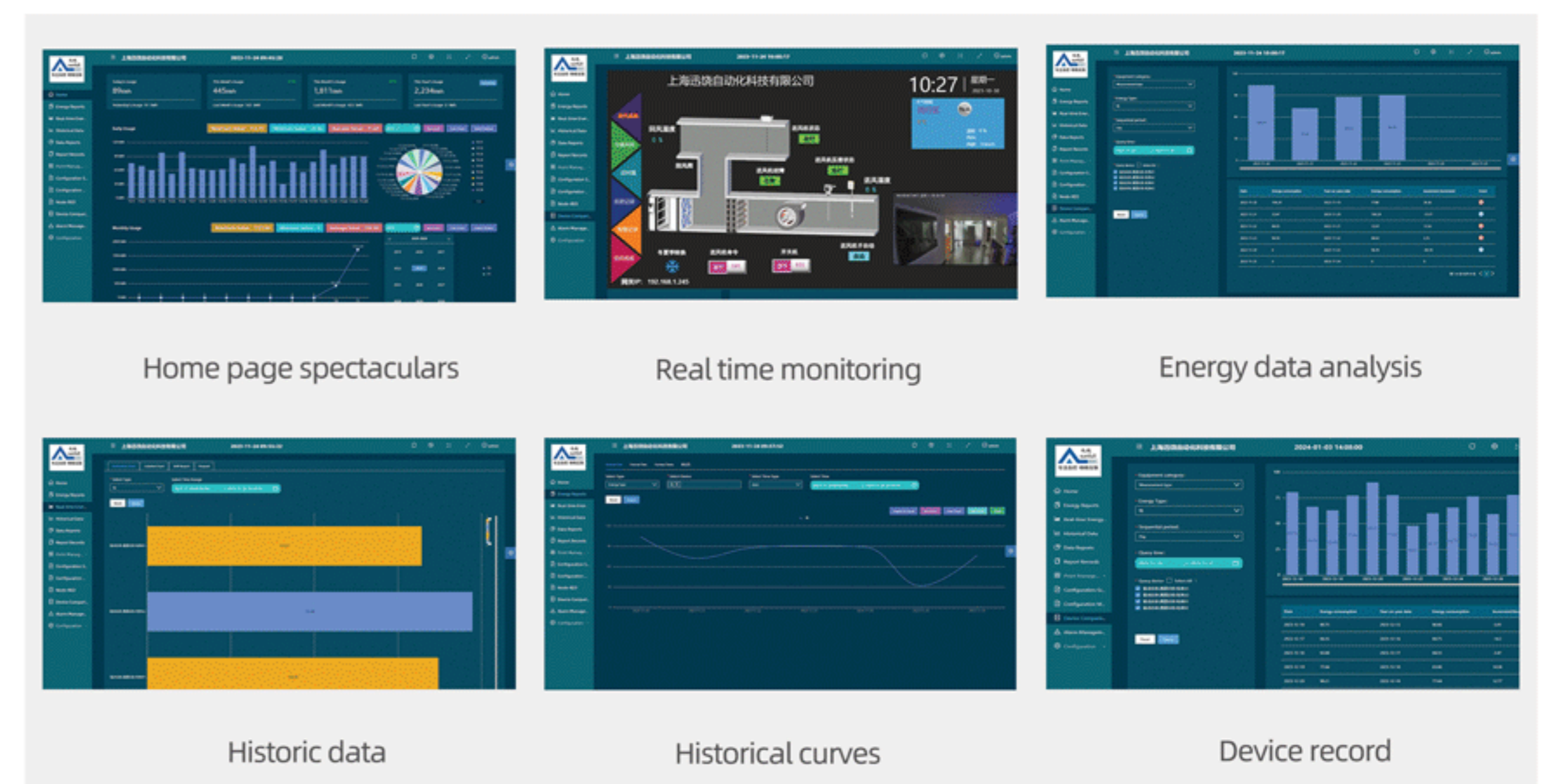
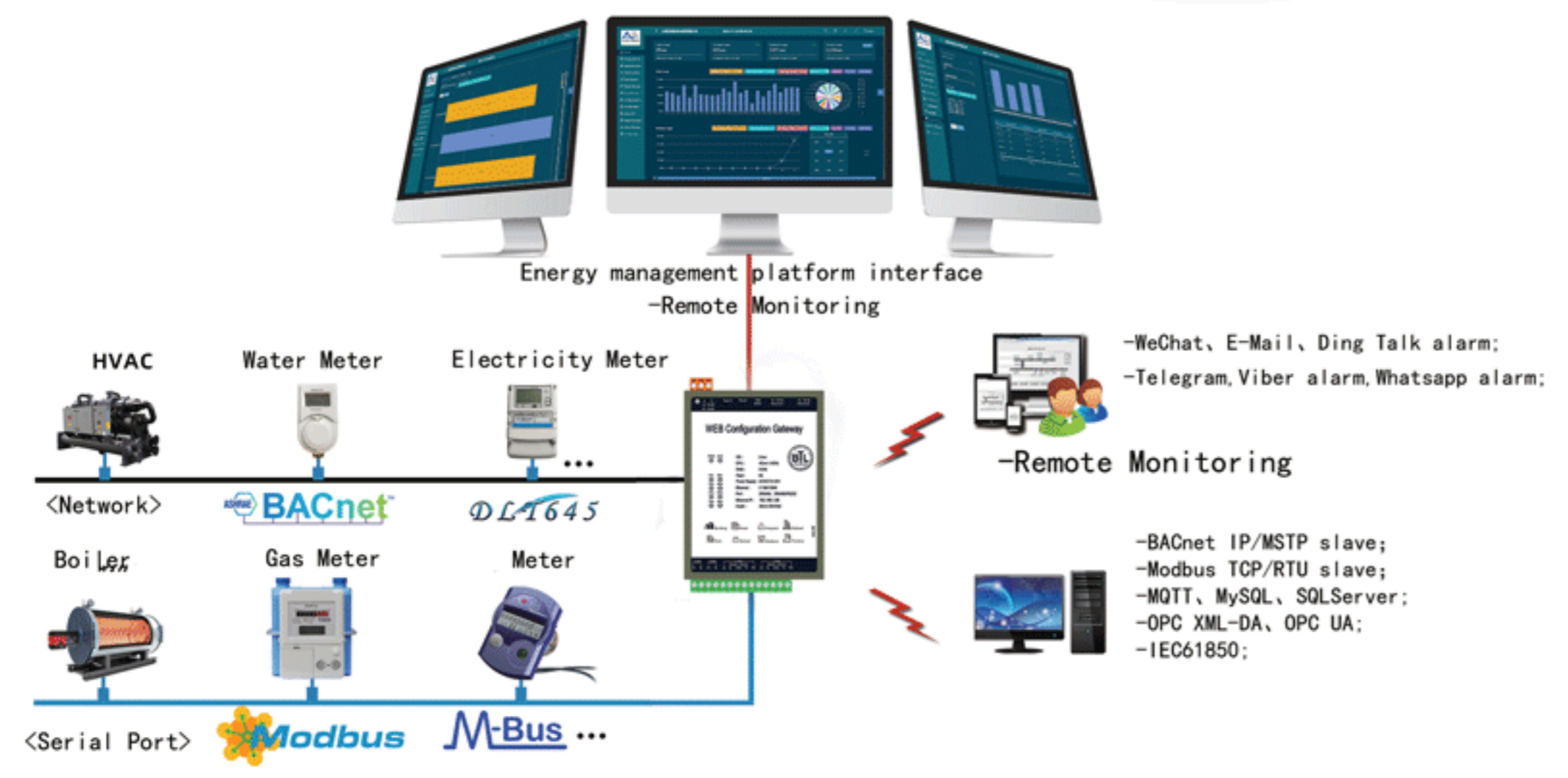
Single device consumption and total regional consumption can be inquired, exported and contrasted.



Product Model	HMI2004-EMS
Support Tags	1024
Support Protocols	Support More than 400 protocols
System	Linux
Processor	4 core 1.4GHz
Memory	1G
Flash	8G
Power consumption	8W
Power Supply	AC/DC 12-24V
Interface	2 x 10M/100M NIC
Serial Port	2 x Full Isolation RS485, 2 x RS485/RS232(Alternative)
Dimension/mm	147mm×95mm×35mm
Weight	450g
Material	sheet metal rear shell
Installation	DIN-Rail
Temperature	-20 ~ 70°C(working) -40 ~ 85°C(storage and transportation)
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)

Energy Management Platform

The Sunfull Energy management Gateway can realize to collect,measure, charge,save and categorize data from water elec-tricity, gas, cold/heat source , etc., and have the electricity utilization record of Peak-valley.



Home page spectaculars : Single device consumption and total regional consumption can be displayed intuitively in card mode way.

Real time monitoring : Device data can be controlled and displayed in real time , which is convenient for users to operate remotely.

Energy data analysis: Single device consumption and total regional consumption can be inquired,exported and contrasted.

Historic data: It is convenient for the historic records of device data to be checked and displayed in line chart way.

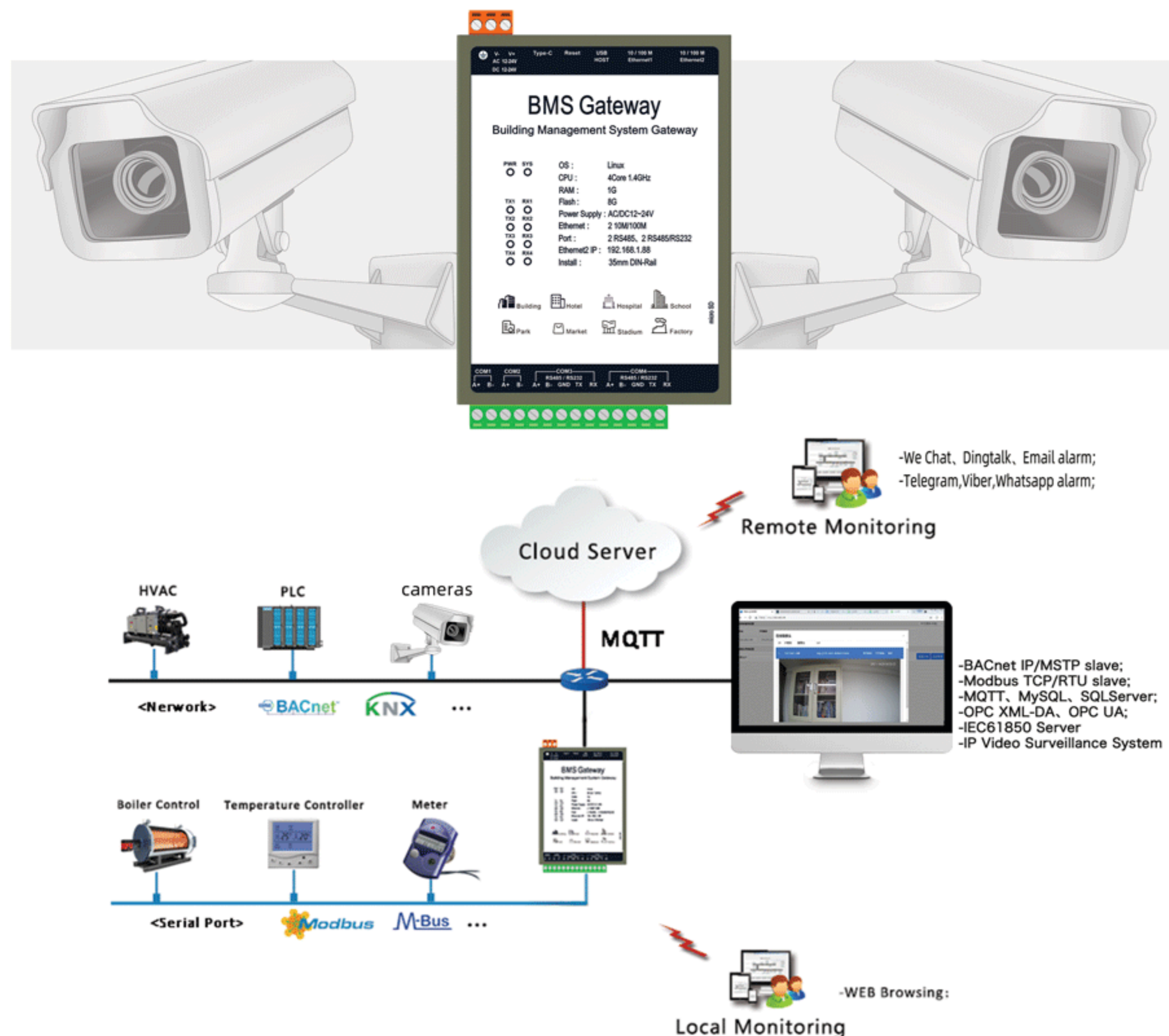
Propotion of Energy consumption:Consumption of mutple devices or mutple regions is displayed in pie chart way , which is more ntuitive to contrast.

Alarm record: Send Wechat alarm information while device failure or abnormal data.

Features & Benefits

- Support the user to summary and manage the unified of energy consumption data.
- Support Peak,valley, flat to analyze energy consumption
- Support Pie chart ,Line chart,Column chart to show directly.
- Support year, month, week,day report.Provide with the import and export ,filter and storage functions.
- Support the user to grade the permission, which can achieve login operation according to the different permission level.
- Support real-time monitoring remotely
- Support to browse the configuration screen on the Web.

BMS Gateway



Support RTSP standard cameras to convert to http protocol, Realize user access to video surveillance on local LAN or cloud platform through webpage. The BMS Gateway also integrates the full functionality of the WEB Configuration Gateway.

Features & Benefits

- Support RTSP standard cameras to convert to http protocol
- 400+ protocols convert to BACnet, Modbus, MQTT, OPC UA, OPC XML-DA, IEC61850;
- You can build full SCADA, HMI, and alarming systems, and other applications that put you fully in control of your processes, right from your phone, PC;
- Support the timer, which can be used to start/stop the device at a fixed time or set values;
- Support converting to BACnet server, Modbus server, MQTT/Cloud server, IEC61850 Server;
- Support user group management, configuration screen monitoring can set permissions;
- Support various forms of timing, event triggering, and provide a custom function;
- Support local data simulation;
- MapStorage is open, can be customized;
- Support remote monitoring of terminal device by smart phone, iPad and PC;
- Support WeChat, DingTalk, E-mail, Telegram, Viber, Whatsapp alarm;
- Cloud Platform Integration work with WEB gateway;
- Support cloud configuration;

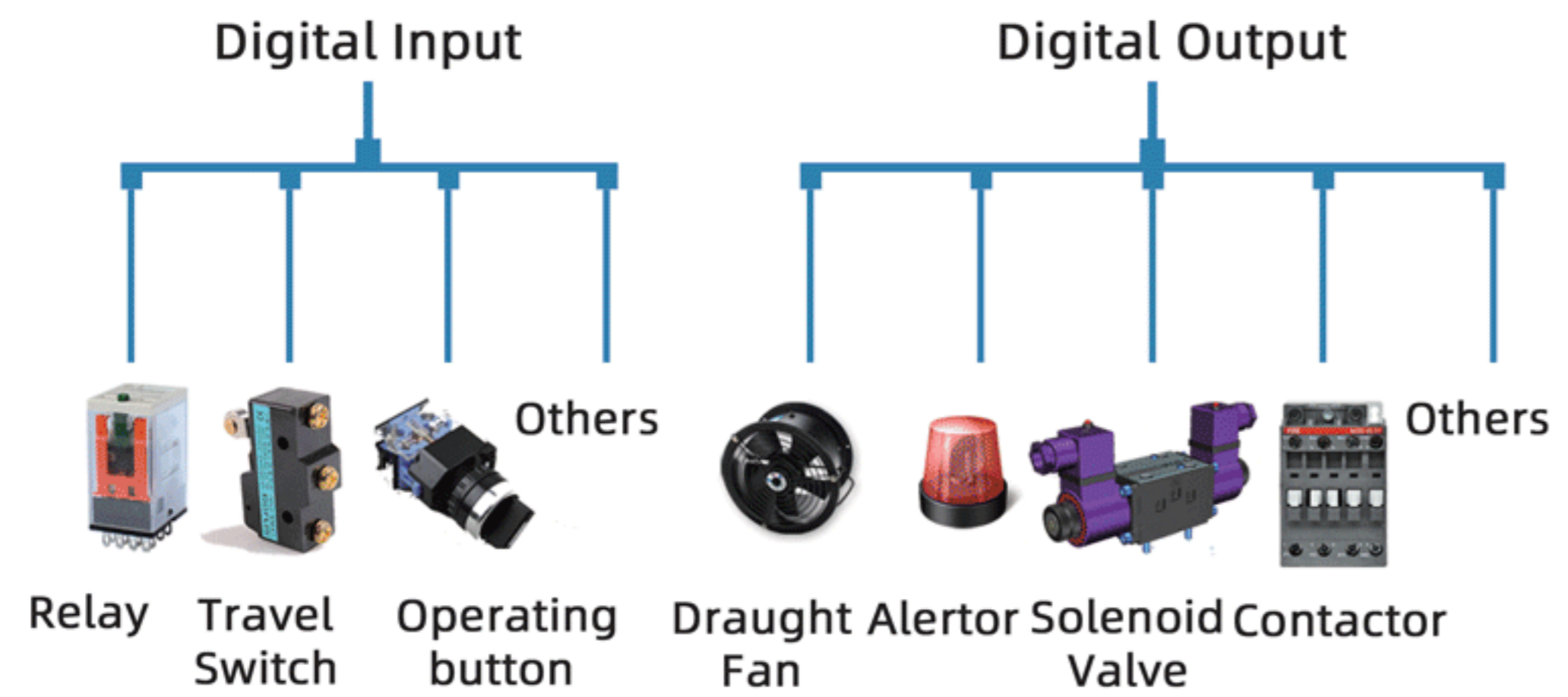
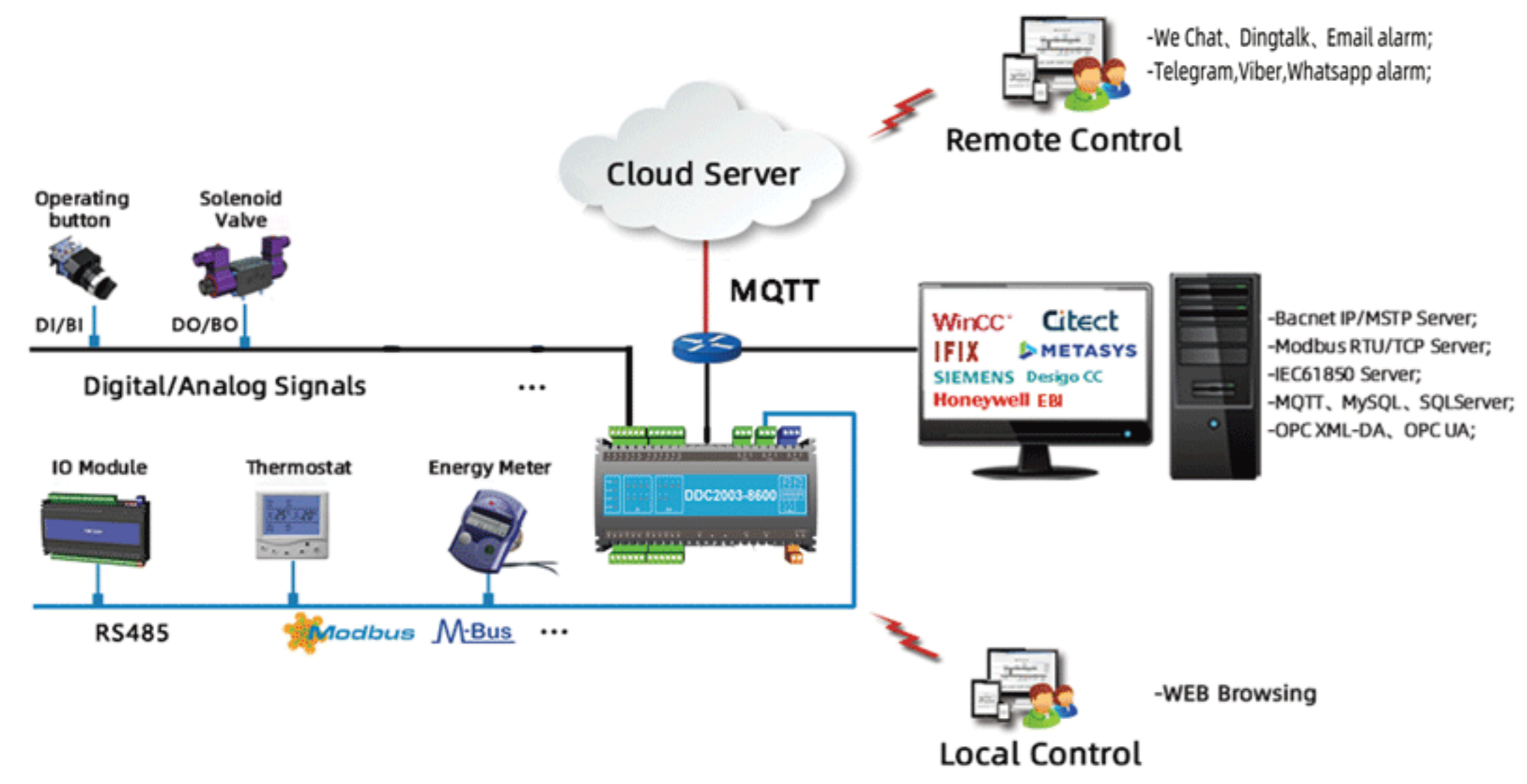
Product Model	HMI2004-BMS
Support Tags	2048
Support Protocols	Support More than 400 protocols
System	Linux
Processor	4 core 1.4GHz
Memory	1G
Flash	8G
Power consumption	8W
Power Supply	AC/DC 12-24V
Interface	2 x 10M/100M NIC
Serial Port	2 x Full Isolation RS485, 2 x RS485/RS232(Alternative)
Dimension/mm	147mmx95mmx35mm
Weight	450g
Material	sheet metal rear shell
Installation	DIN-Rail
Temperature	-20 ~ 70°C(working) -40 ~ 85°C(storage and transportation)
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)

Direct Digital Control

DDC supports graphic, JS and PLC mixed programming, convenient for users to realize the logic function of different applications.

Features & Benefits

- Support graphic, JS and PLC mixed programming, PID control function;
- Two ethernet ports support the switch function, facilitating onsite cabling
- DDC is also a gateway that supporting nearly communication protocols, easy to expand;
- 400+ protocols convert to BACnet, Modbus, MQTT, OPC UA, OPC XML-DA, IEC61850;
- Support Wechat alarm, DingTalk alarm, Email, Telegram, Viber, Whatsapp alarm;
- Support timer which can realize RUN and STOP the device regularly and setting the value;
- Support external storage of MySQL and SQLServer database support view the offline and online status of the device;
- Support cloud configuration, which facilitates remote monitoring of terminal devices by mobile phones, ipads, and PC;
- Support internal variable function, you can use JS script to achieve complex logic operations;



Product Model	DDC2003-8600
Processor	Linux
Clock Frequency	1 core 800MHz
Memory	512M
Flash	8G
Interface	2 x 10M/100M NIC
Serial Port	3 x RS485
Dimension/mm	185*119*42mm(L*W*H)
Power Supply	AC/DC 24V
BI/DI	8
BO/DO	6
Digital Input	Support for dry contact input
Digital Output	Support dry contact output, MAX 220V/8A
Optional	WiFi/4G

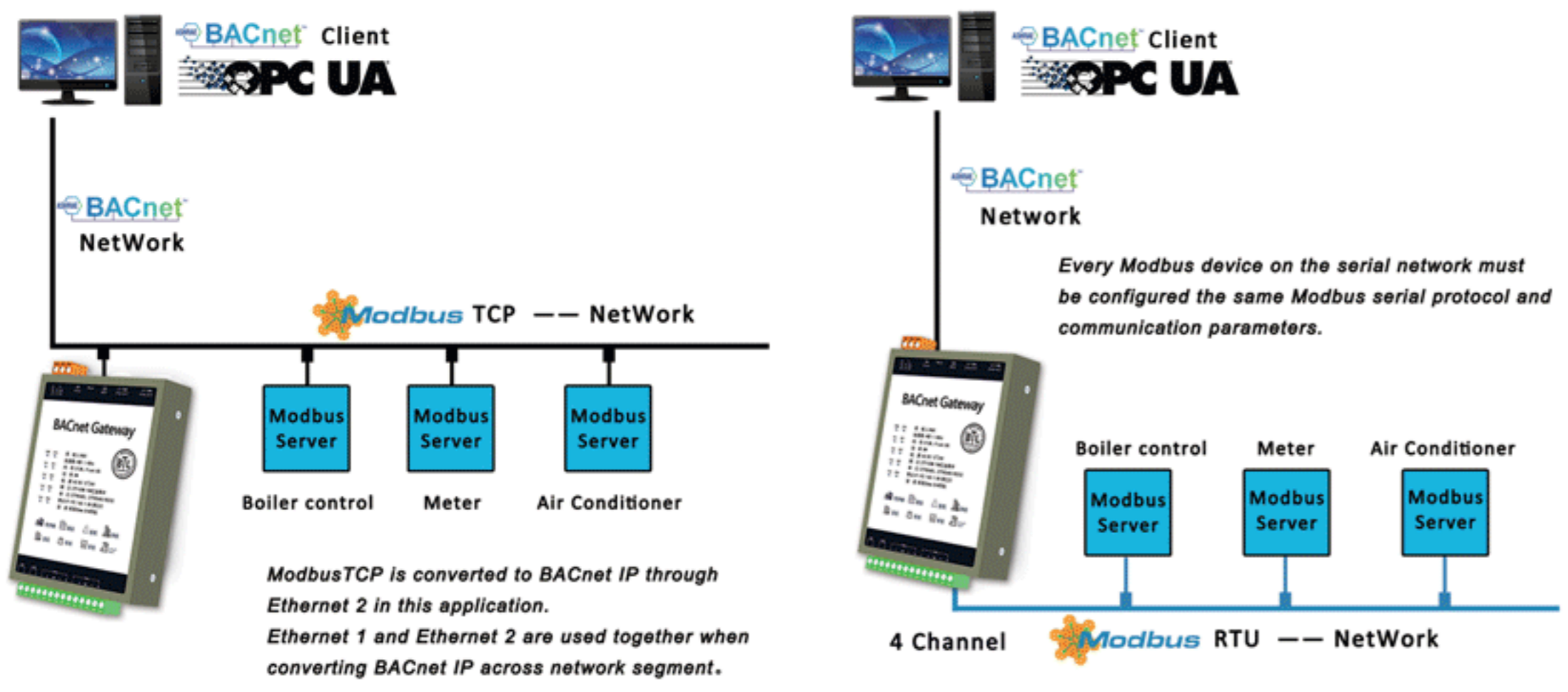
BACnet Gateway

The BACnet Gateway of Sunfull allows different devices to communicate through BACnet MSTP or BACnet IP. The gateway works as a translator between two networks, allowing devices of different protocols to communicate with each other. It can realize centralized control and supervise the devices.



Example1: Connecting ModbusTCP to BACnetIP

Example2: Connecting ModbusRTU to BACnetIP



Features & Benefits

- BTL, CE and ISO 9001 SGS Certifications;
- Monitoring the utilization of memory;
- Support JS to realize logic control;
- Support COV subscription function;
- Support BBMD cross network segment access;
- Compatible with BACnet Router function;
- Support multiple BACnet devices;
- Support browsing via WEB and monitoring the real-time data;
- Support linear conversion, fetch bit, high and low byte conversion;
- Support internal variable function, support monitoring the state of the devices;
- Support AI, AO, AV, BI, BO, BV, MSI, MSO, MSV, Schedule, Trendlog eleven register types;



Product Model	BAC1001-ARM	BAC1002-ARM	BAC2004-ARM	BAC2004-A9
Support Tags	256	512	1024	2048
Support Protocols	Support More than 400 protocols			
System	Linux			
Processor	1 core 300MHz		4 core 1.4GHz	
Memory	64M		512M	
Flash	128M		8G	
Power consumption	6W		8W	
Power Supply	AC/DC 12-24V			
Interface	1 x 10M/100M NIC		2 x 10M/100M NIC	
Serial Port	1 x RS485/RS232(Alternative)	2 x RS485/RS232(Alternative)	2 x Full Isolation RS485, 2 x RS485/RS232(Alternative)	
Dimension/mm	118mm×74mm×35mm	129mm×81mm×34mm	147mm×95mm×35mm	
Weight	300g	350g	450g	
Material	Galvanized Steel			
Installation	DIN-Rail			
Temperature	-20 ~ 70°C(working) -40 ~ 85°C(storage and transportation)			
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)			

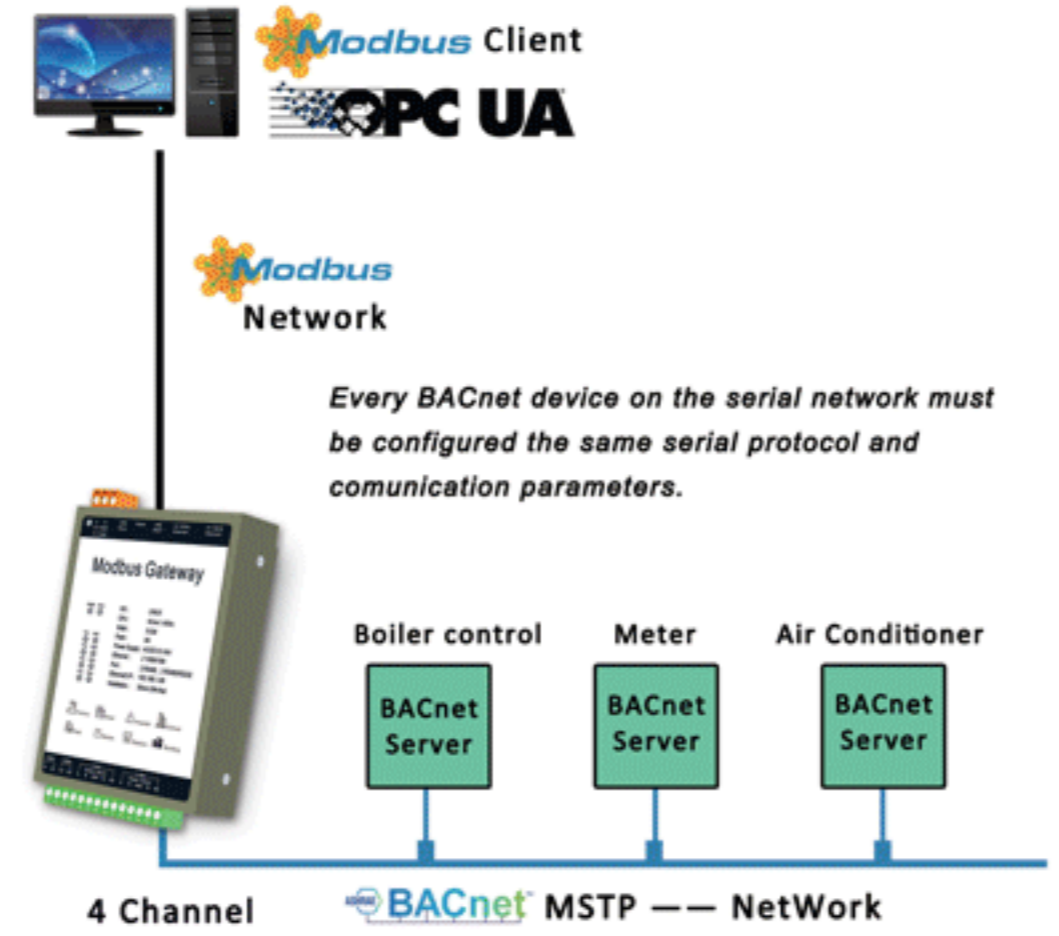
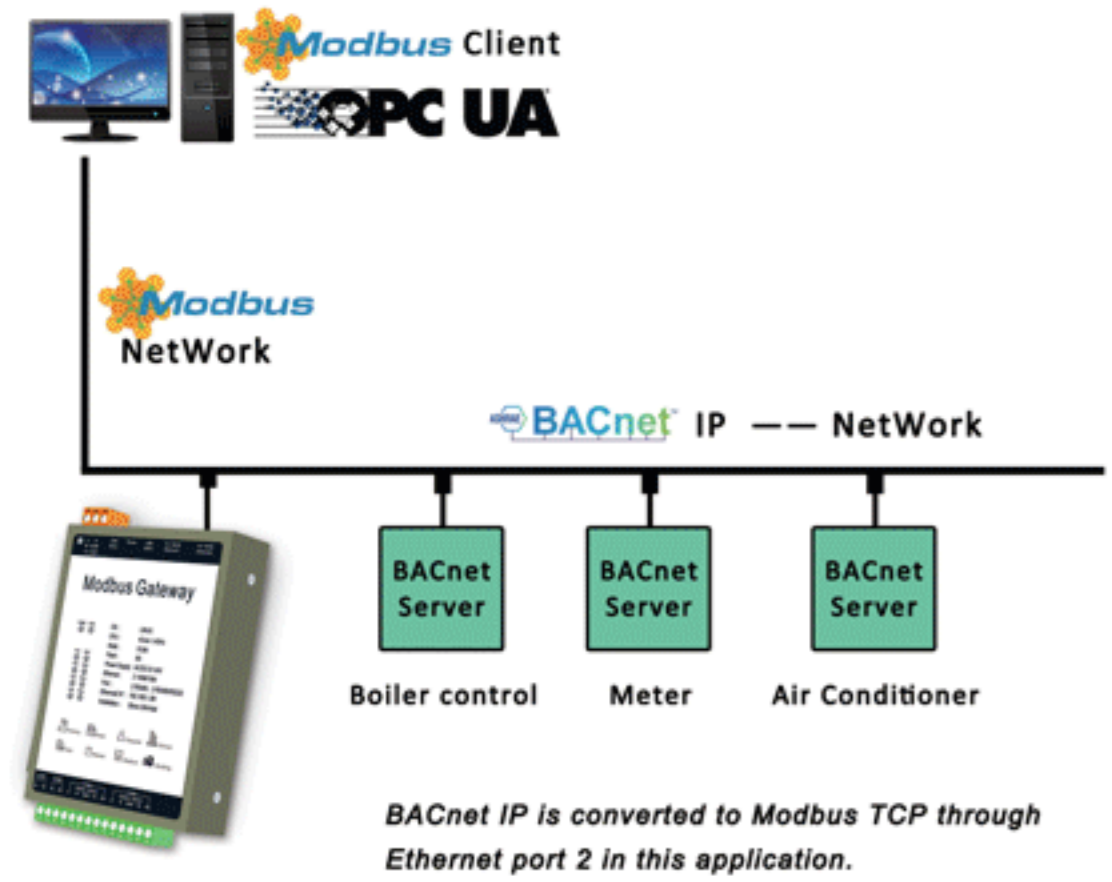
Modbus Gateway

The Modbus Gateway of Sunfull allows different devices to communicate through Modbus RTU or Modbus TCP simultaneously. The gateway works as a translator between two networks, allowing devices of different protocols to communicate with each other.



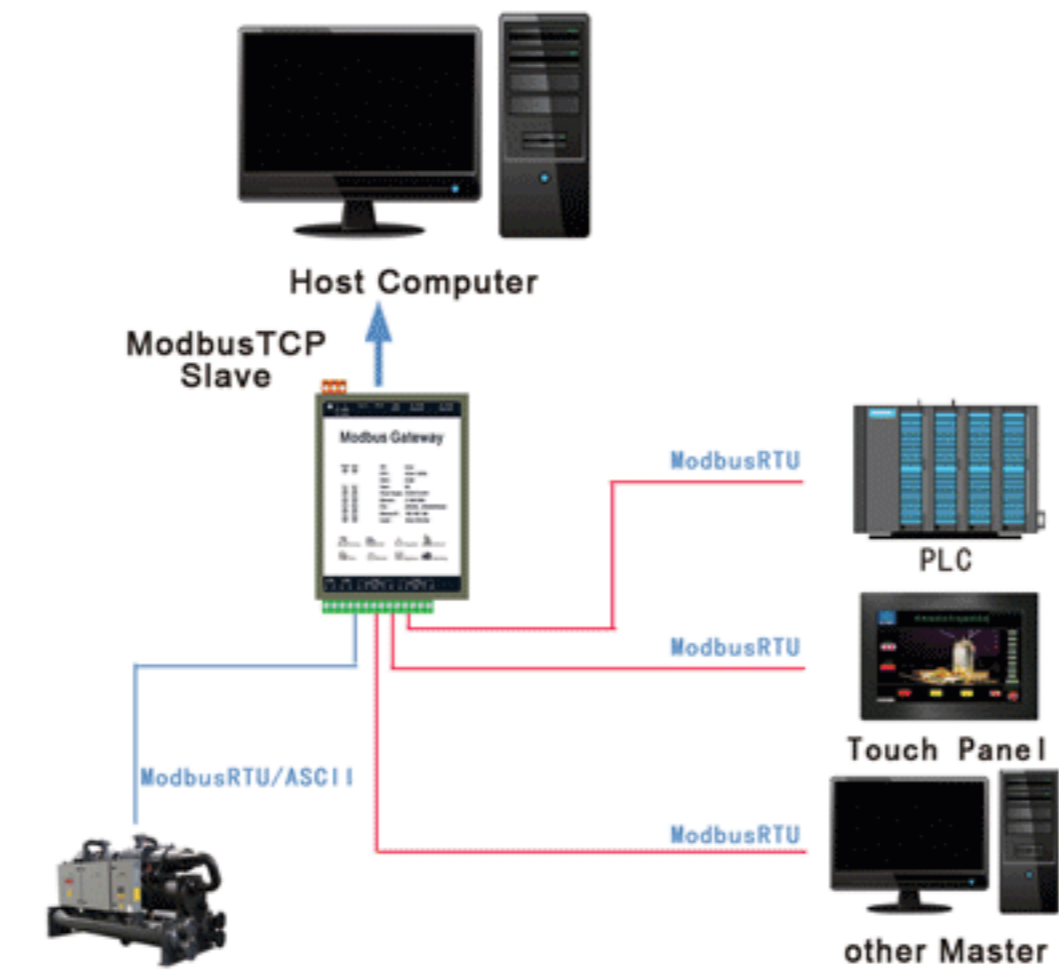
Example1: Connecting BACnetIP to ModbusTCP

Example2: Connecting BACnetMSTP to ModbusTCP



Features & Benefits

- CE and ISO 9001 SGS Certifications;
- Monitoring the utilization of memory;
- Support browsing via WEB and monitoring the real-time data;
- Support linear conversion, fetch bit, high and low byte conversion;
- Compatible with Modbus Router function;
- Support internal variable function, support monitoring state of the devices;
- Support 0X、1X、3X、4X four register types;
- Support JS to realize logic control;
- Support multiple Modbus devices;



Product Model	MOD1001-ARM	MOD1002-ARM	MOD2004-ARM	MOD2004-A9
Support Tags	256	512	1024	2048
Support Protocols	Support More than 400 protocols			
System	Linux			
Processor	1 core 300MHz		2 core 800MHz	4 core 1.4GHz
Memory	64M		128M	512M
Flash	128M		8G	
Power consumption	6W		8W	
Power Supply	AC/DC 12-24V			
Interface	1 x 10M/100M NIC		2 x 10M/100M NIC	
Serial Port	1 x RS485/RS232(Alternative)	2 x RS485/RS232(Alternative)	2 x Full Isolation RS485, 2 x RS485/RS232(Alternative)	
Dimension/mm	118mm×74mm×35mm	129mm×81mm×34mm	147mm×95mm×35mm	
Weight	300g	350g	450g	
Material	Galvanized Steel			
Installation	DIN-Rail			
Temperature	-20 ~ 70°C(working) -40 ~ 85°C(storage and transportation)			
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)			

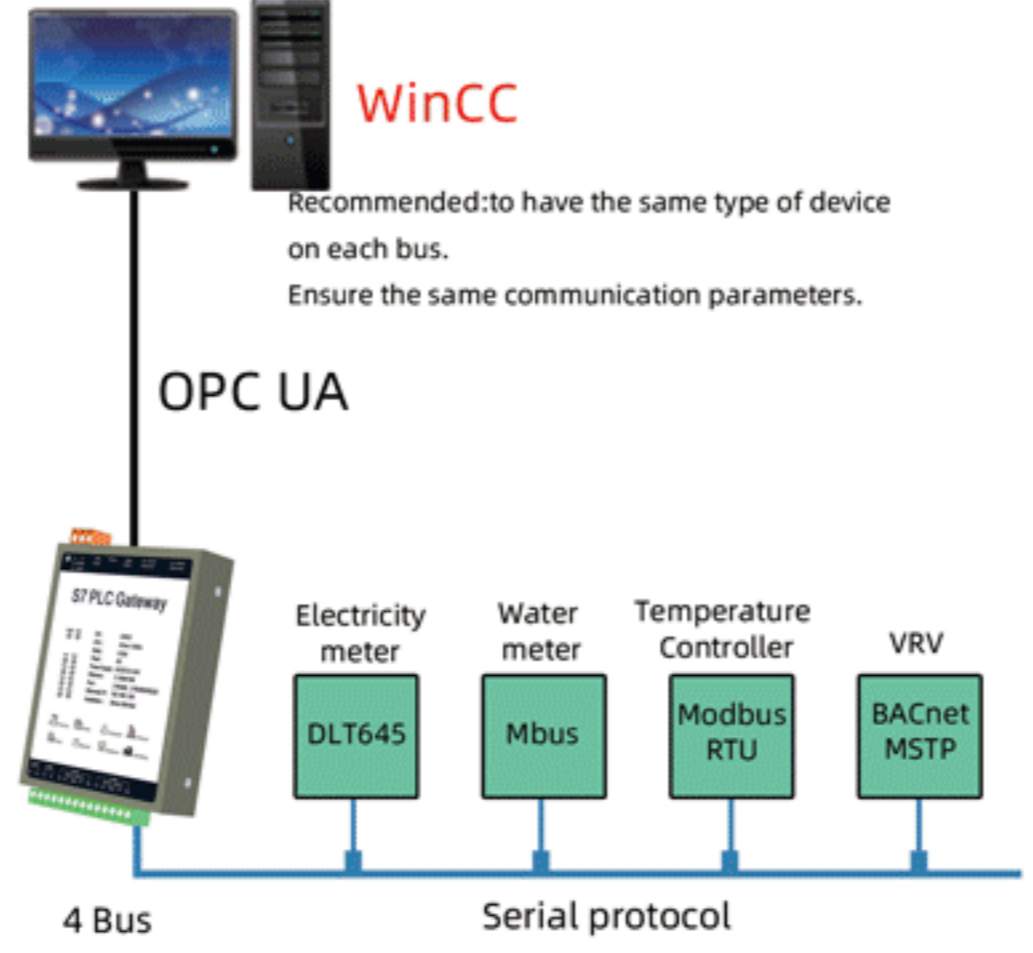
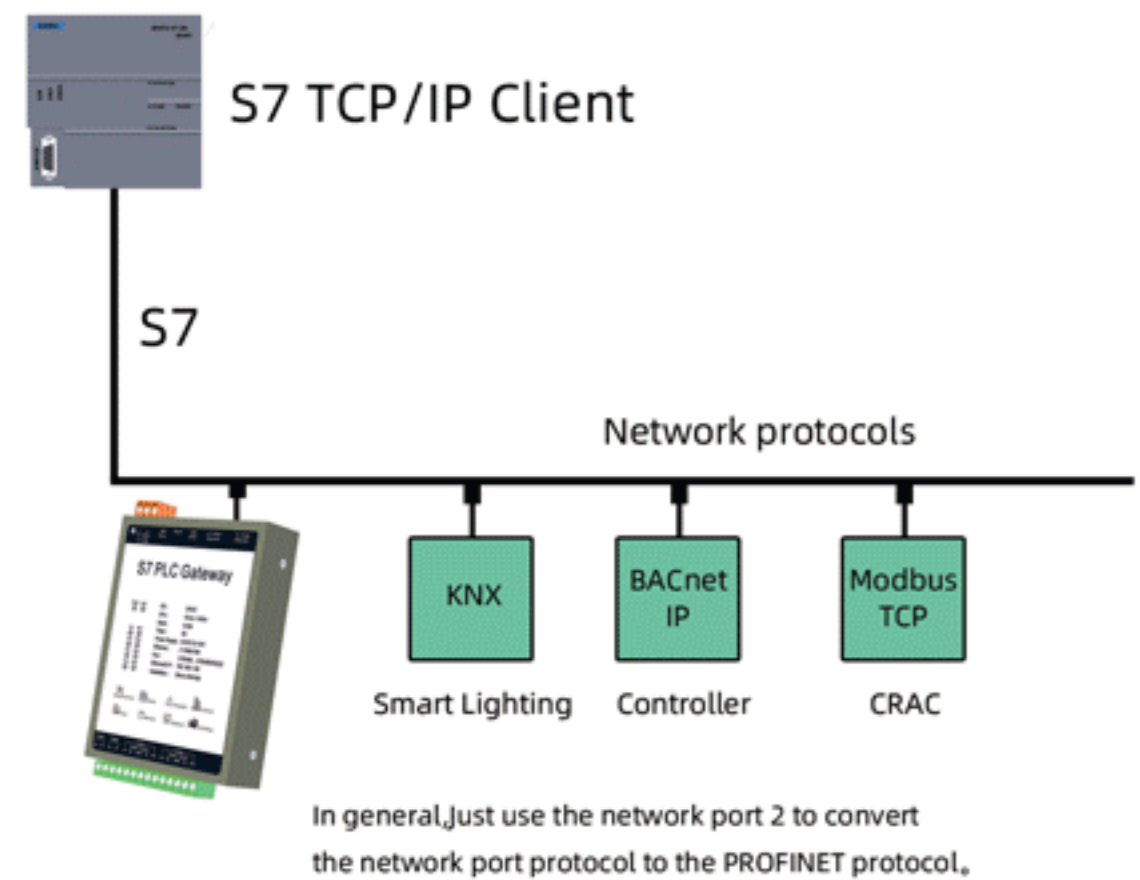
S7 PLC Gateway

The S7 Gateway can convert various protocols to S7 PLC protocols. It enables devices that support Profinet protocol (such as Siemens 300\400\1200\1500 PLC) to communicate with different devices through hardware protocol gateway, which is convenient for system integration.



Example1: Integrate the network interface protocol to Siemens PLC

Example2: Integrate serial protocol to Siemens PLC



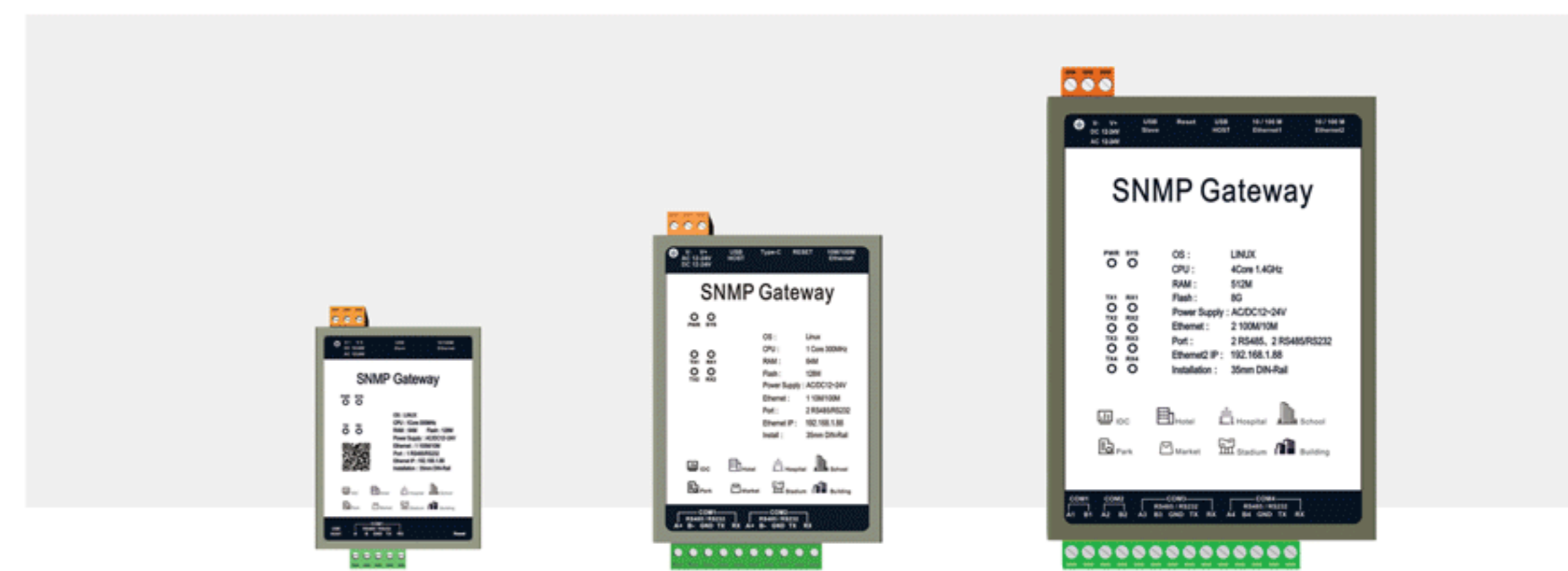
Features & Benefits

- Green and free installation, support both Chinese and English;
- Support more than 400 protocols convert to S7 PLC protocols;
- 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 I、Q、DB1、DB2、DB3、DB4、DB5、DB6、DB7、DB8 ten register types;
- Support JS to realize logic control;
- Add a new private protocol to support Profinet, which can be completed within 2 weeks;

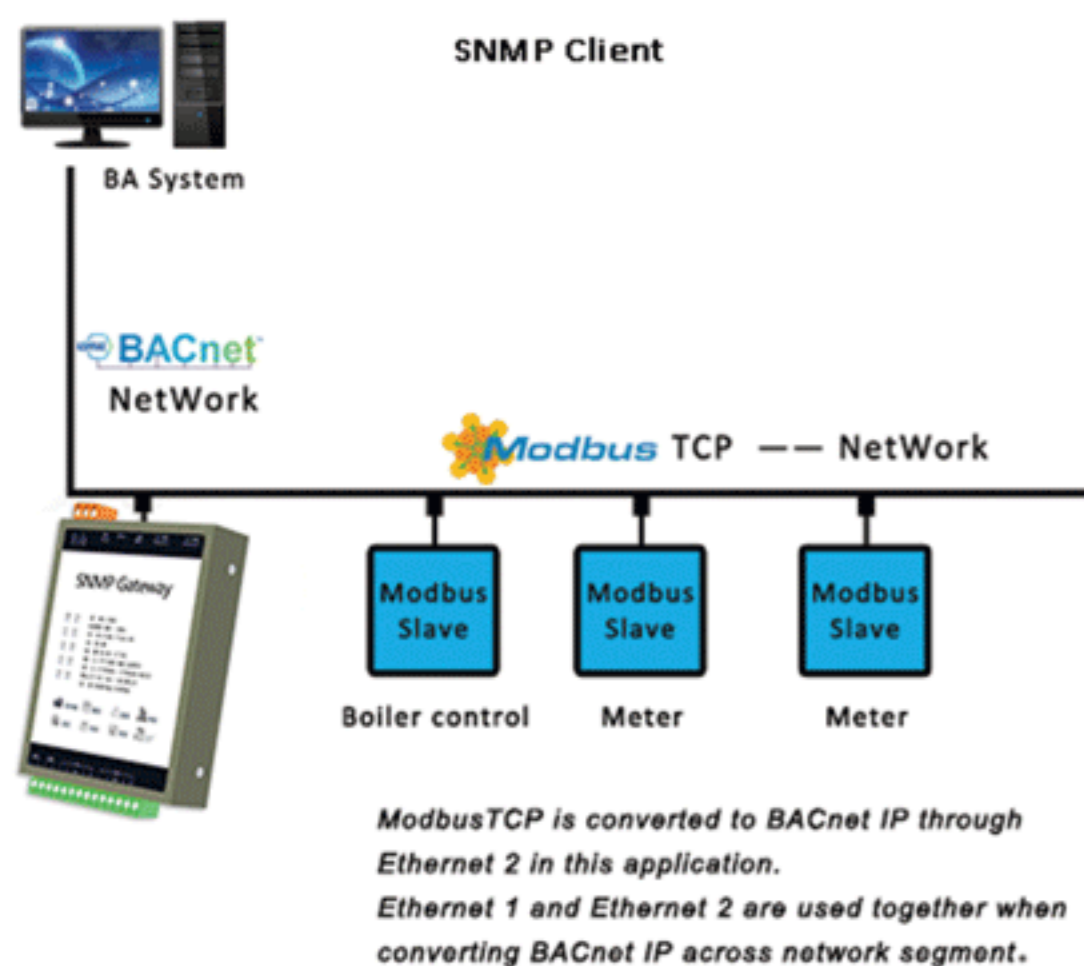
Product Model	PFN1001-ARM	PFN1002-ARM	PFN2004-ARM	PFN2004-A9
Support Tags	256	512	1024	2048
Support Protocols	Support More than 400 protocols			
System	Linux			
Processor	1 core 300MHz		4 core 1.4GHz	
Memory	64M		512M	
Flash	128M		8G	
Power consumption	6W		8W	
Power Supply	AC/DC 12-24V			
Interface	1 x 10M/100M NIC		2 x 10M/100M NIC	
Serial Port	1 x RS485/RS232(Alternative)	2 x RS485/RS232(Alternative)	2 x Full Isolation RS485, 2 x RS485/RS232(Alternative)	
Dimension/mm	118mm×74mm×35mm	129mm×81mm×34mm	147mm×95mm×35mm	
Weight	300g	350g	450g	
Material	Galvanized Steel			
Installation	DIN-Rail			
Temperature	-20 ~ 70°C(working) -40 ~ 85°C(storage and transportation)			
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)			

SNMP Gateway

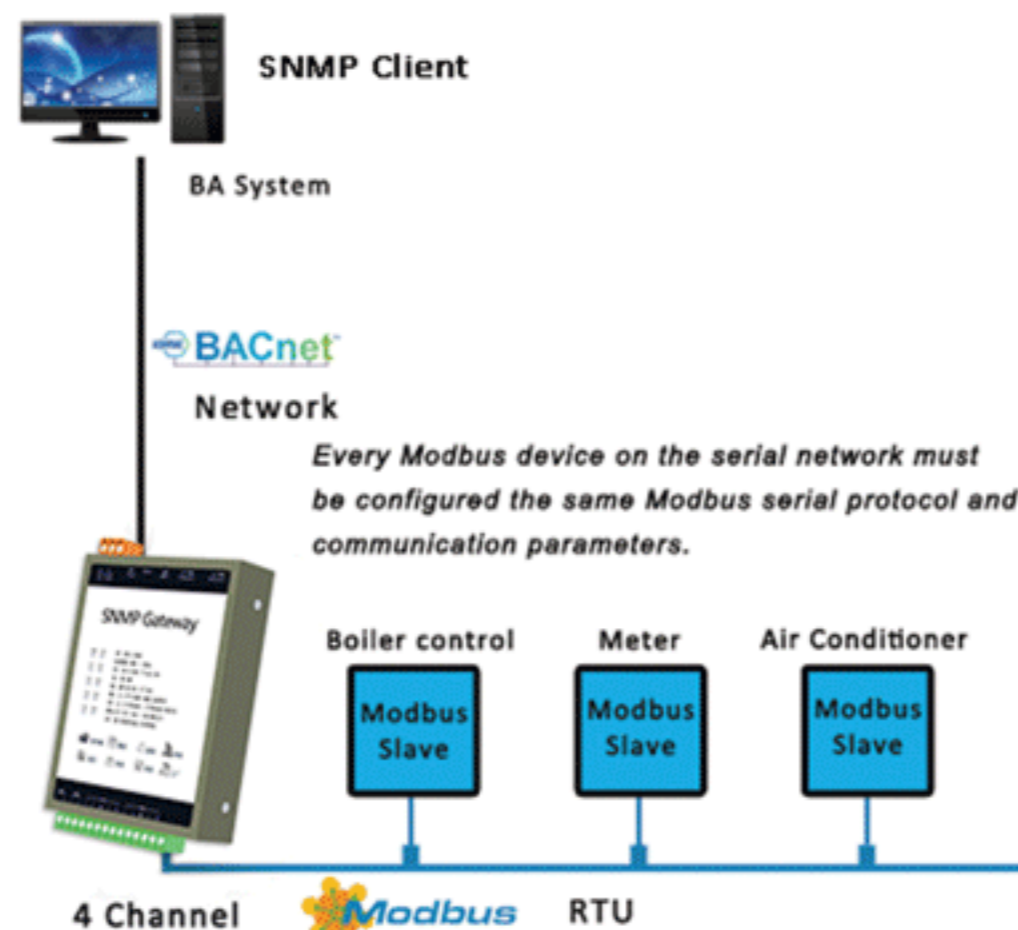
SNMP Gateways can convert non-standard protocols into SNMP interfaces, and then other SNMP clients such as computer room management systems can access and monitor third-party device data through SNMP interfaces.



Example1: Connecting ModbusTCP to SNMP



Example2: Connecting ModbusRTU to SNMP



Features & Benefits

- Support more than 400 protocols to be converted to SNMP (v1/v2/v3) protocol at the same time;
- Monitoring the utilization of memory;
- Support browsing via WEB and monitoring the real-time data;
- Support linear conversion, fetch bit, high and low byte conversion;
- Support internal variable function, support monitoring state of the devices;
- Support JS to realize logic control;
- Add a new private protocol to support SNMP, which can be completed within 2 weeks;

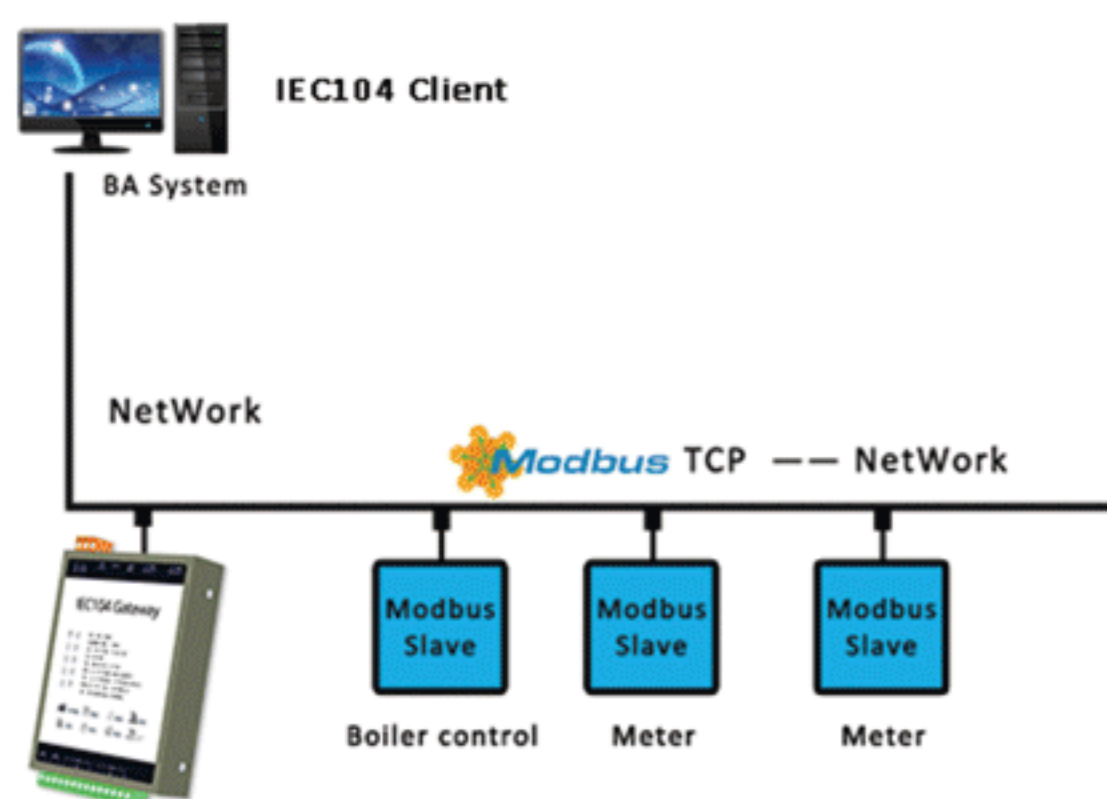
Product Model	SNMP1001-ARM	SNMP1002-ARM	SNMP2004-ARM	SNMP2004-A9
Support Tags	256	512	1024	2048
Support Protocols	Support More than 400 protocols			
System	Linux			
Processor	1 core 300MHz		4 core 1.4GHz	
Memory	64M		512M	
Flash	128M		8G	
Power consumption	6W		8W	
Power Supply	AC/DC 12-24V			
Interface	1 x 10M/100M NIC		2 x 10M/100M NIC	
Serial Port	1 x RS485/RS232(Alternative)	2 x RS485/RS232(Alternative)	2 x Full Isolution RS485,2 x RS485/RS232(Alternative)	
Dimension/mm	118mm×74mm×35mm	129mm×81mm×34mm	147mm×95mm×35mm	
Weight	300g	350g	450g	
Material	Galvanized Steel			
Installation	DIN-Rail			
Temperature	-20 ~ 70°C(working) -40 ~ 85°C(storage and transportation)			
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)			

IEC104 Gateway

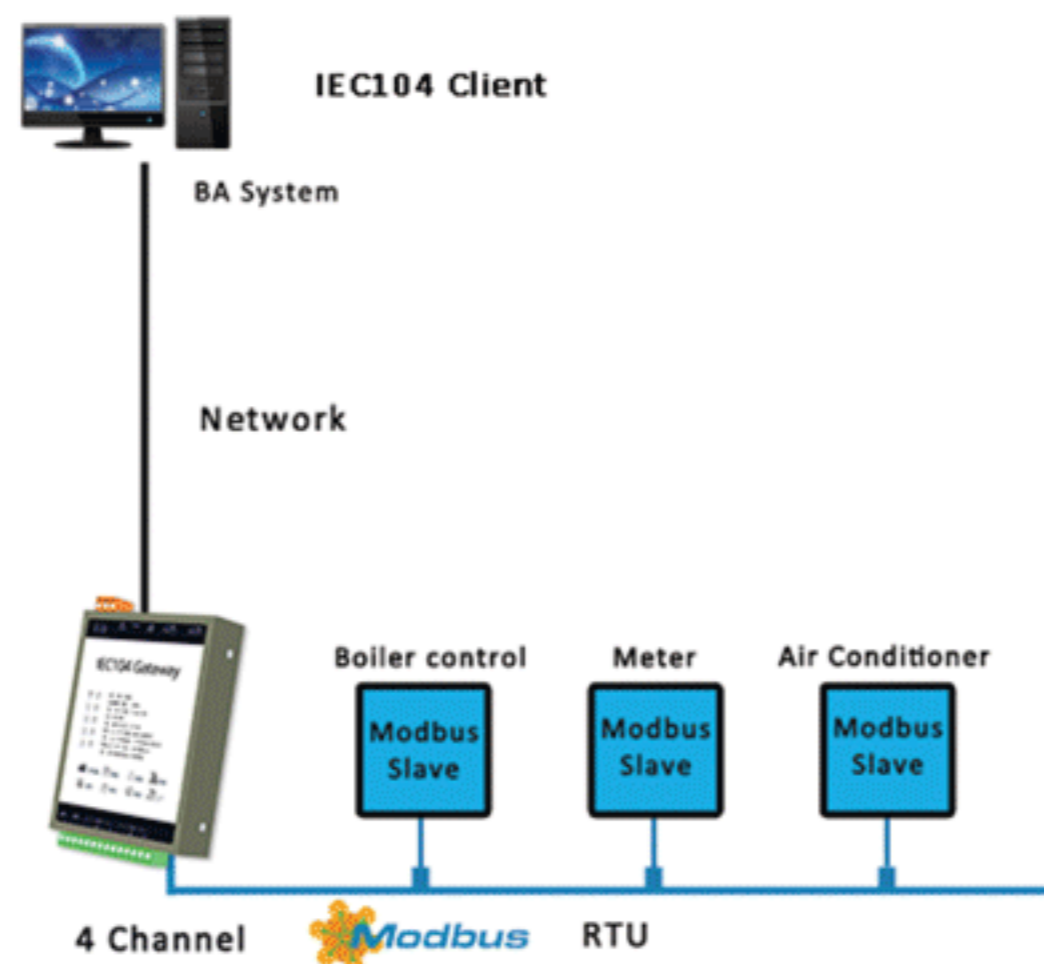
IEC104 gateway supports multiple protocol conversion, can solve PLC, air conditioner, elevator, fire control, lighting control system, electric meter, water meter of different products, through the hardware gateway will be Modbus, BACnet and other various different protocol into IEC104 protocol.



Example1: Connecting ModbusTCP to IEC104 Client



Example2: Connecting ModbusRTU to IEC104 Client



Features & Benefits

- Support more than 400 protocols convert to IEC104 server;
- Support for linear transformation, location, and high and low byte conversion;
- Support 2 types of Register: Single Point、Measure Float;
- Friendly software configuration tool, complete 1024 tags in 20m;
- Support for internal variable functions, Support to view the device from online status;

Register Type:

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



Product Model	IEC1001-ARM	IEC1002-ARM	IEC2004-ARM	IEC2004-A9
Support Tags	256	512	1024	2048
Support Protocols	Support More than 400 protocols			
System	Linux			
Processor	1 core 300MHz		4 core 1.4GHz	
Memory	64M		512M	
Flash	128M		8G	
Power consumption	6W		8W	
Power Supply	AC/DC 12-24V			
Interface	1 x 10M/100M NIC		2 x 10M/100M NIC	
Serial Port	1 x RS485/RS232(Alternative)	2 x RS485/RS232(Alternative)	2 x Full Isolation RS485, 2 x RS485/RS232(Alternative)	
Dimension/mm	118mm×74mm×35mm	129mm×81mm×34mm	147mm×95mm×35mm	
Weight	300g	350g	450g	
Material	Galvanized Steel			
Installation	DIN-Rail			
Temperature	-20 ~ 70°C(working) -40 ~ 85°C(storage and transportation)			
Humidity	20% ~ 90% non-condensing (working) 15% ~ 95% non-condensing (storage and transportation)			

Industrial Unmanaged Ethernet Switches

Designed for Industrial environment



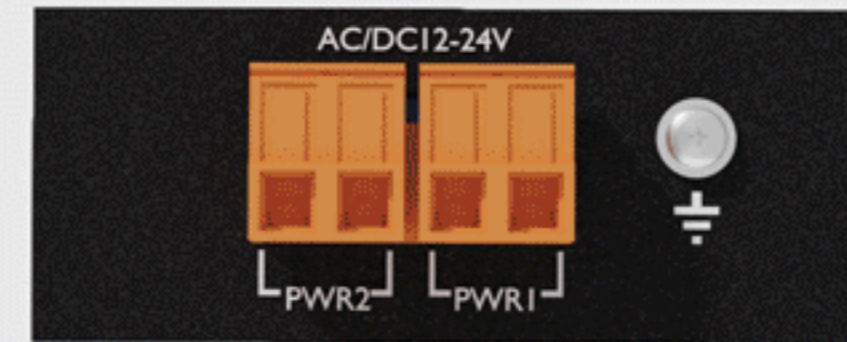
Redundant power supply

DIN-rail mounting

-10 to 60°C operating temperature range

IP30

The product supports IEEE 802.3/802.3u/802.3x with 10/100M, full/half-duplex, MDI/MDIX auto-sensing RJ45 ports. The switches are rated to operate at temperatures ranging from -10 to 60°C, and are rugged enough for any harsh industrial environment. The switches can be easily installed on a DIN rail as well as in distribution boxes.

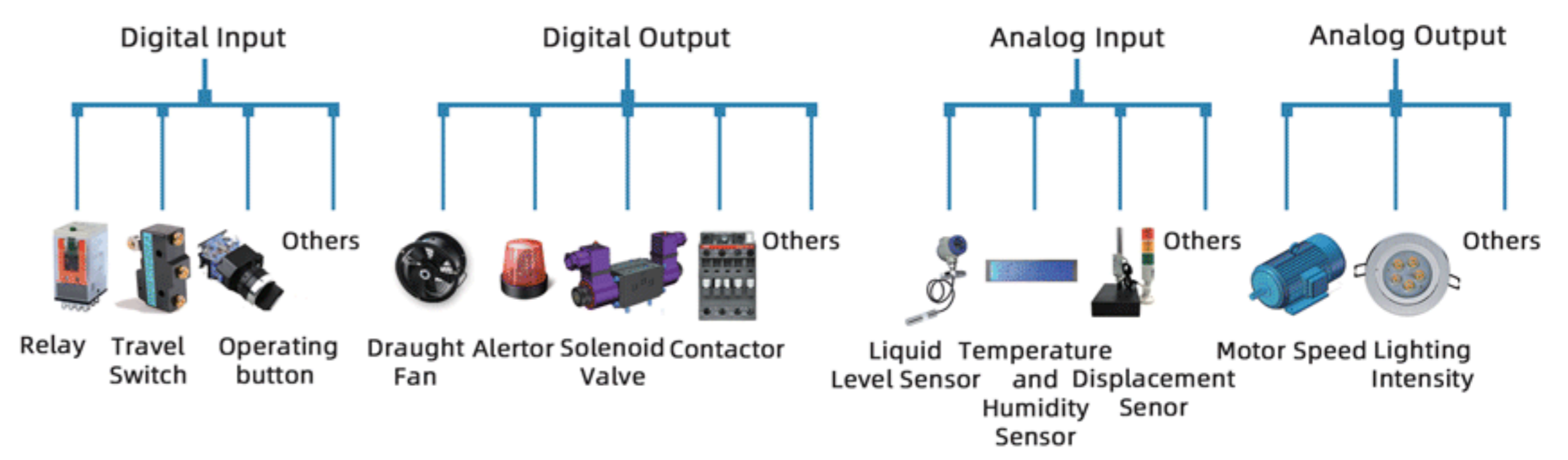


Product Model	SW5000	SW8000
Input Voltage	Redundant dual AC/DC 12V power inputs	
Input Current	0.1 A @ 24 V	
Overload Current Protection	1.1 A	
Connection	2 removable 2-contact terminal block(s)	
10/100BaseT(X) Ports (RJ45 connector)	5	8
Material	Galvanized Steel(Lightning protection,IP30)	
Dimensions	118*75*26 mm	119*78*38 mm
Weight	175 g	350 g
Installation	DIN-rail mounting	
Operating Temperature	-10 to 60°C (14 to 140°F)	
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)	
Ambient Relative Humidity	5 to 95% (non-condensing)	



IO Module(Serial port)

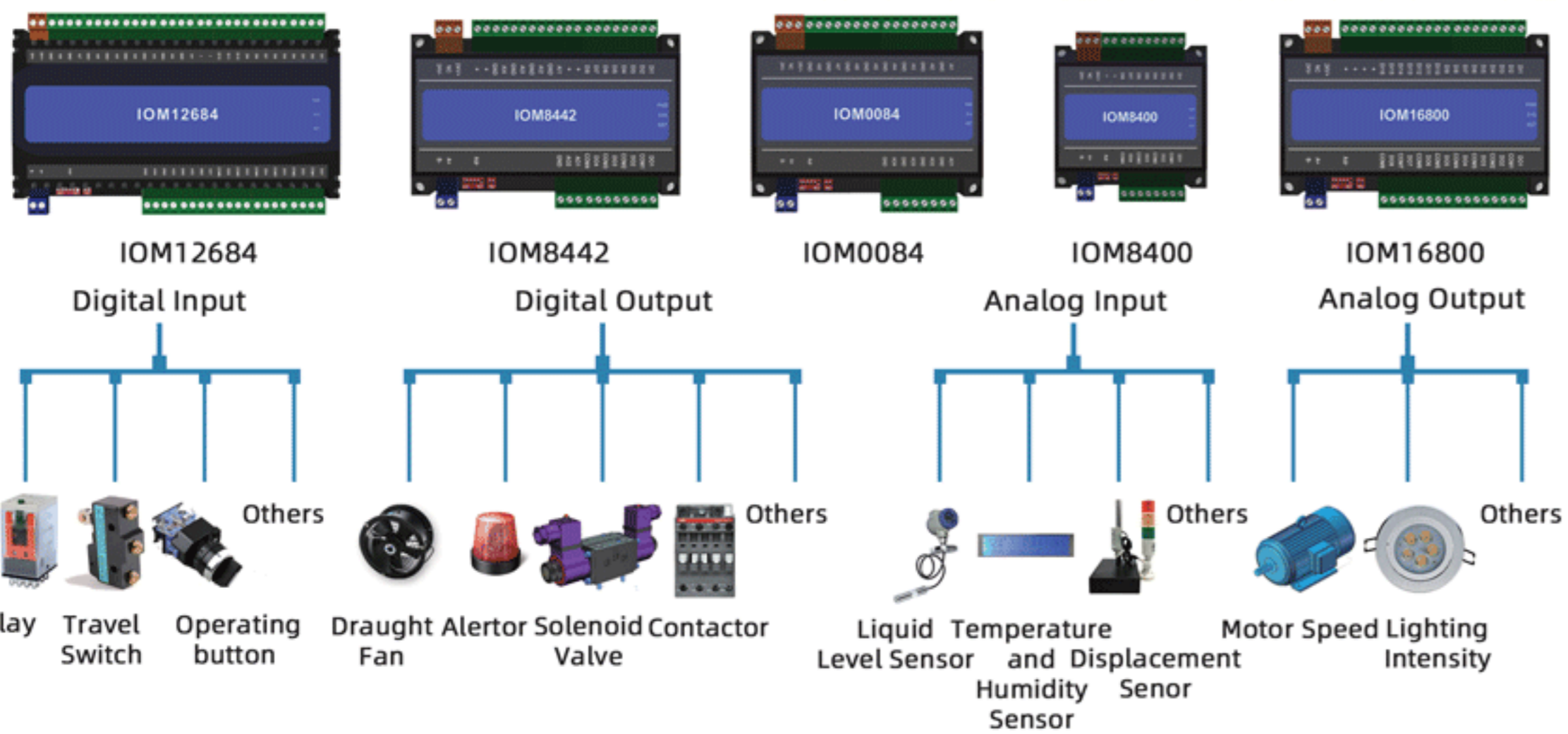
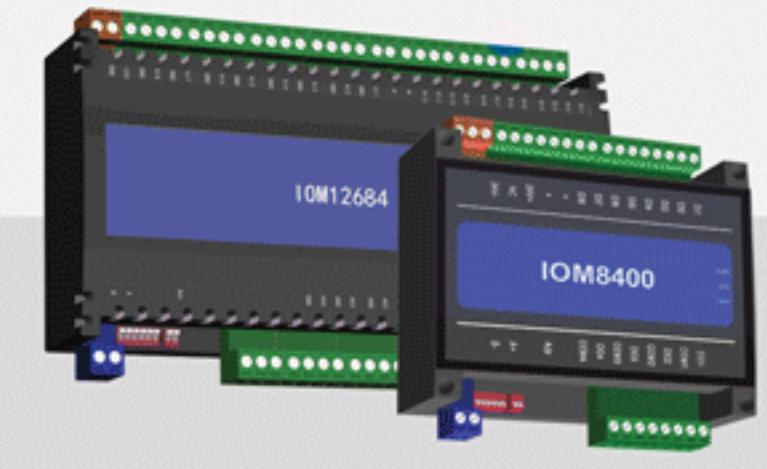
Use the mainstream ARM core 32-bit microprocessor, supports collecting Modbus RTU, It can realize the rapid I/O expansion of the controller.



Product Model	IOM8600	IOM16000	IOM01200	IOM0042	IOM0080T	IOM0080I
Processor	32bit					
Clock Frequency	72MHz					
Memory	64KB Flash , 20KB RAM					
Power Supply	AC/DC 12~24V					
BI/DI	8	16		/		
BO/DO	6	/	12		/	
AI		/		4		8
AO		/		2		/
Digital Input	Support for dry contact input			/		
Digital Output	Support dry contact output, MAX 220V/8A	/	Support dry contact output, MAX 220V/8A	/	/	/
Analog Input		/		Support 0-10V, 4-20mA input(AD 16bit)	Pt1000, Pt100, NTC (10K) , NTC (5.1K)	4-20mA input
Analog Output		/		Support 0-10V, 0-20mA Output(DA 12bit)		/
Dimension/mm	125mm×110mm×42mm					
Weight/g	200g					
Communication	Modbus RTU (RS485)					

IO Module(Serial port)

Use the mainstream ARM core 32-bit microprocessor, supports collecting Modbus RTU, BACnet MS/TP(any one of them). It can realize the rapid I/O expansion of the controller.



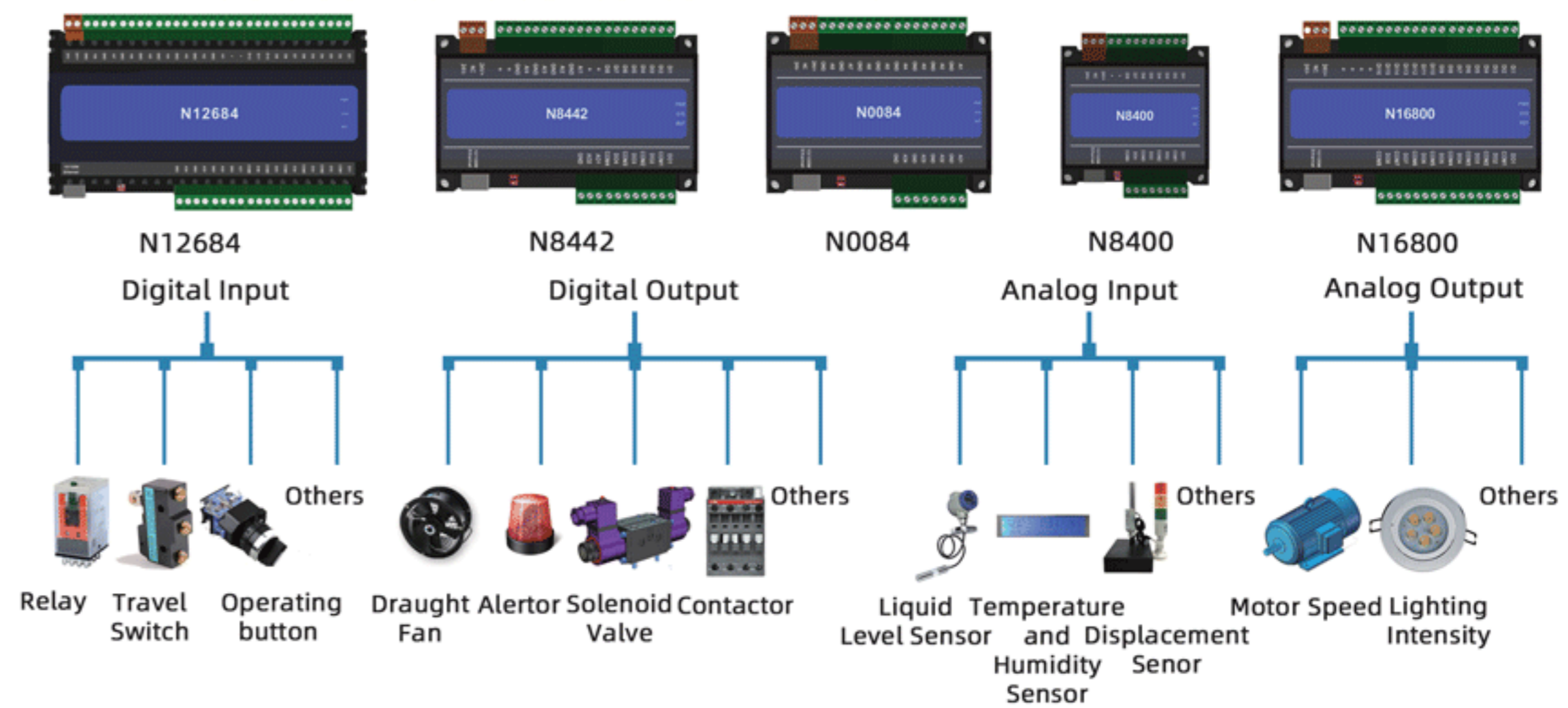
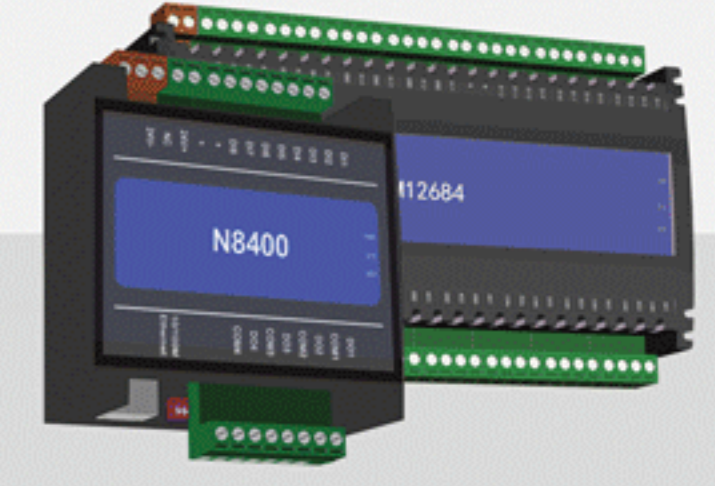
Features & Benefits

1. Support Modbus RTU protocol, so that it can communicate with the controller that supporting modbus protocol to realize rapid I/O expansion. Please refer to the instructions of Modbus RTU testing tool for how to operate.
2. Support BACnet MS/TP protocol, so that it can communicate with the controller that supporting this protocol, to realize rapid I/O port expansion. Please refer to the instructions of BACnet MS/TP testing tool for details.

Product Model	IOM12684	IOM8442	IOM0084	IOM8400	IOM16800
Processor	32bit				
Clock Frequency	72MHz				
Memory	64KB Flash , 20KB RAM				
Power Supply	DC 24V				
BI/DI	12	8	/	8	16
BO/DO	6	4	/	4	8
AI	8	4	8	/	/
AO	4	2	4	/	/
Digital Input	Support for dry contact input		/	Support for dry contact input	
Digital Output	Support dry contact output, MAX 220V/8A		/	Support dry contact output, MAX 220V/8A	
Analog Input	Support 0-10V, 4-20mA input and NTC10K (B=3950) input				/
Analog Output	Support 0-10V, 0-20mA Output				/
Dimension/mm	185mmx119mmx42mm	150mmx110mmx42mm	125mmx110mmx42mm	95mmx110mmx42mm	150mmx110mmx42mm
Weight/g	350g	250g	200g	150g	300g
Communication 1	Modbus RTU (2.4k/4.8k/9.6k/19.2k)				
Communication 2	BACnet MS/TP (9.6k/19.2k/38.4k/76.8k)				

IO Module(Ethernet)

Use the mainstream ARM core 32-bit microprocessor, supports collecting Modbus TCP protocol. It can realize the rapid I/O expansion of the controller.



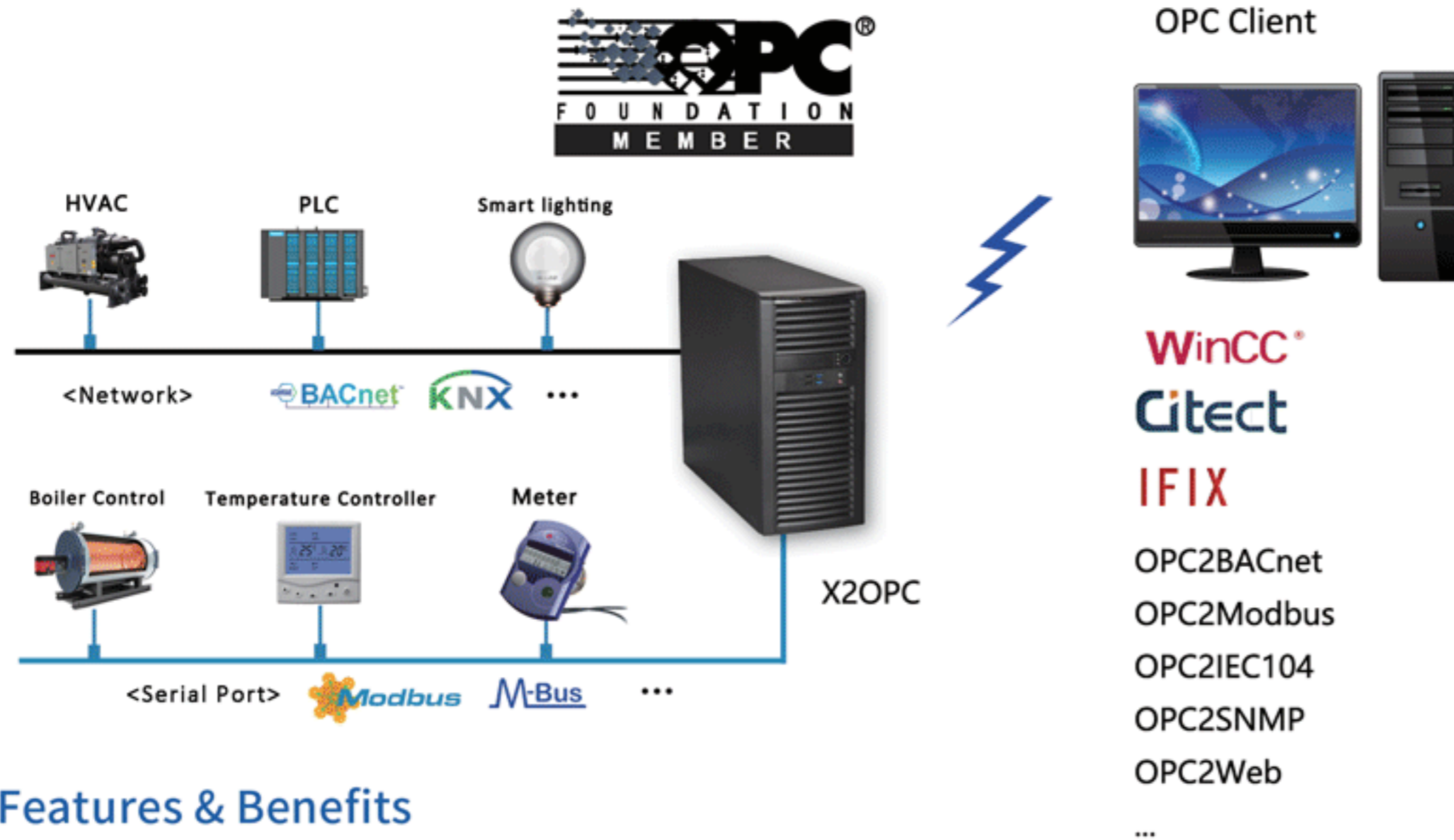
Features & Benefits

1. Modbus support Modbus TCP protocol, can quickly realize the controller with the support of the implementation of the protocol of network connection, fast I/O port expansion. Please refer to the specific use of the Modbus RTU test tools.

Product Model	N12684	N8442	N0084	N8400	N16800
Processor	32bit				
Clock Frequency	72MHz				
Memory	64KB Flash , 20KB RAM				
Power Supply	DC 24V				
BI/DI	12	8	/	8	16
BO/DO	6	4	/	4	8
AI	8	4	8	/	/
AO	4	2	4	/	/
Digital Input	Support for dry contact input		/	Support for dry contact input	
Digital Output	Support dry contact output, MAX 220V/8A		/	Support dry contact output, MAX 220V/8A	
Analog Input	Support 0-10V, 4-20mA input and NTC10K (B=3950) input				/
Analog Output	Support 0-10V, 0-20mA Output				/
Dimension/mm	185mmx119mmx42mm	150mmx110mmx42mm	125mmx110mmx42mm	95mmx110mmx42mm	150mmx110mmx42mm
Weight/g	350g	250g	200g	150g	300g
Communication	Modbus TCP				
Ethernet	1 x 100M/10M NIC				

OPC Server/Client

Member of the international OPC foundation;
 Pass the CTT Certification; OPC Certification;
 X2OPC server has applied in more than 60
 WANDA PLAZA, easy access to HUIYUN system.



Features & Benefits

- X2OPC software free installation;
- Support collect more than 400 protocols and convert to OPC server;
- Support WEB accessing and data monitoring;
- Support OPC DA 1.0,2.0 and OPC XML-DA;
- Support JS to realize logic control;
- Solve the problem that some configuration software such as Citect, IFIX, Wonderware, WINCC, kingview and Forcecontrol cannot connect some uncommon control devices;
- With its own WEB server, user can use iPad, PC to access the WEB server of X2OPC to monitor the running state of the field devices.

OPC2Modbus

- OPC2Modbus software is installation-free;
- Support to read OPC server to ModbusRTU and ModbusTCP slave station;
- Support Modbus synchronous or asynchronous write value;
- Support save data to database;
- OPC2Modbus software can be used to solve the DCOM configuration problem encountered in remote access to OPC server (remote OPC disadvantages: unstable communication, DCOM configuration trouble, not good for maintenance).

OPC2BACnet

- Green free installation, support in Chinese and English;
- Support read OPC server to BACnet IP and BACnet MSTP server;
- Support 9 BACnet object AI/AO/AV/BI/BO/BV/MI/MO/MV;
- Support linear conversion, take bit;
- Easy to use configuration software OPC2BACnet;
- O2B-Softkey soft authorization, easy to use;

OPC2IEC104

- Support read OPC server to IEC104 server;
- Convenient fault diagnosis;
- Support the import and export of data points to the EXCEL table for editing;
- Easy to use configuration software OPC2IEC104;
- O2I-USBKey encryption dog authorization, plug and play; O2I-Softkey soft authorization, easy to use;

OPC2SNMP

- Support read OPC server to SNMP proxy;
- Support linear conversion, take bit;
- Support import and export EXCEL, match point faster, more convenient;
- Ots-USBKey encryption dog authorization, plug and play; Ots-Softkey soft authorization, easy to use;

OPC2WEB

- Support OPC server convert to OPC XML-DA, enable the traditional OPC server to support WEB access;
- Make the Webs, Niagara of Honeywell by sunfull's free SOAP Client interface access Kepware OPC server and industrial configuration software WinCC;
- Configuring is easy and convenient;

MBus Converter

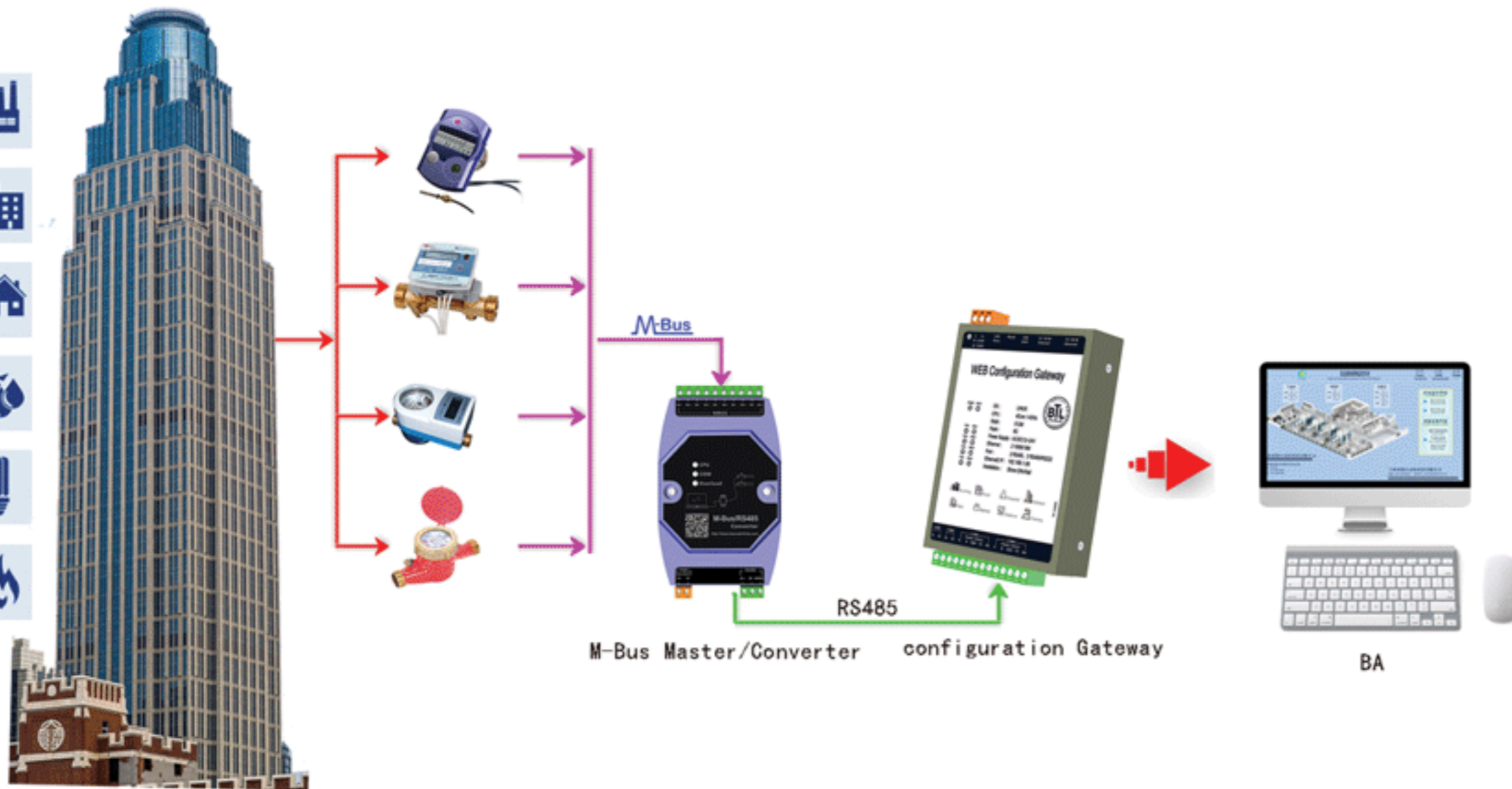
Product Introduction

Convert the M-Bus to RS485;
up to 160 M-Bus devices can be connected to ;
M-Bus Master PC upper computer or window device
access to terminal meter;



Application

- Industrial monitoring
- Commercial monitoring
- Residential monitoring
- Water/Heat metering
- Electricity metering
- Gas metering



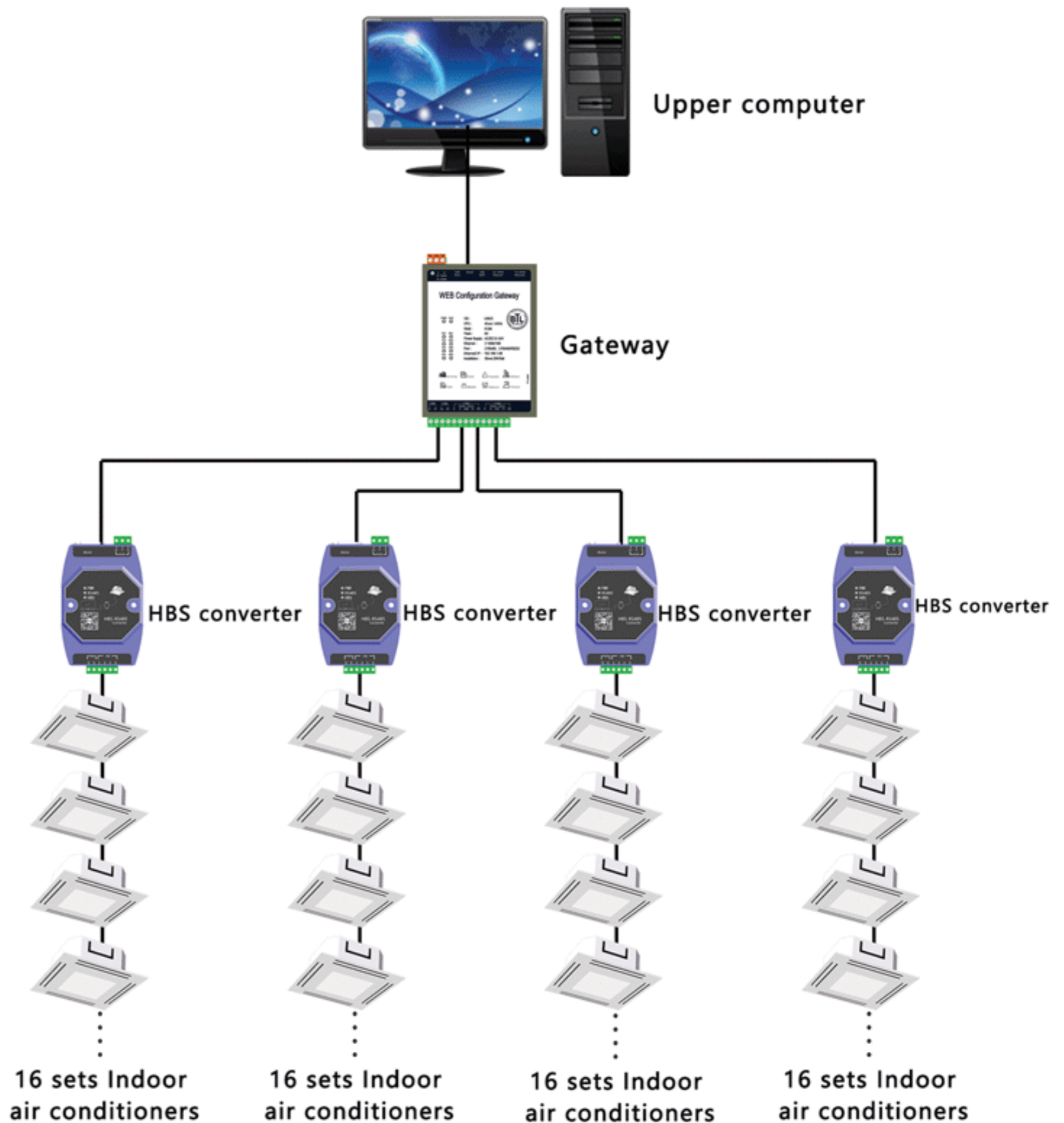
Feature

- MAX amount of M-Bus devices:160;
- RS485 transmission direction: automatic;
- M-Bus short connection protection;
- Power supply: AC/DC12V-24V;
- Mounting type : on DIN rail;

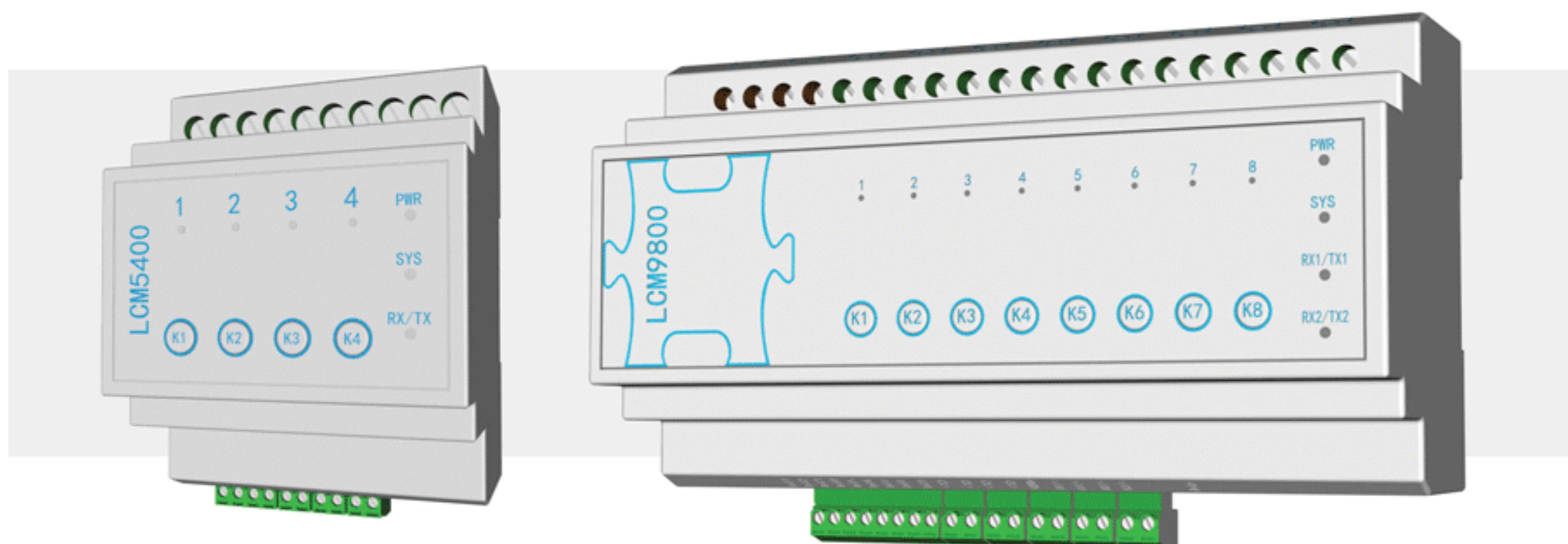
HBS Converter

Product Introduction

The Sunfull HBS2001 communication module can be connected to the Daikin air conditioner and convert the HomeBus to RS485. Use HBS2001 and Sunfull gateway, it can convert Daikin HomeBus to standard Modbus or BACnet Protocol.



Lighting Controller Module



The LCM5400/9800 is a intelligent control processor designed for intelligent lighting and automation applications.

Features & Benefits

- Remote centralized control and on-site control;
- Fire linkage (only on but not off);
- Short circuit protection, manual forced start, dry contact control;
- power-down memory;
- Emergency manual control;
- Automatic control, time control, scene setting (with Sunfull Gateway or WEB HMI touch screen);
- DI linkage K port;
- Support Modbus RTU;

Product Model	LCM5400	LCM9800
Power Supply	AC 220V/20A	
Maximum power consumption	8W	
Standby power consumption	0.5W	
switch circuit	4	8
Loop current	≤20A	
Protocols	ModbusRTU	
Serial Port	1xRS485	2xRS485
Installation	DIN-Rail	
Dimension/mm	72mmx100mmx65mm	162mmx100mmx65mm
Weight	250g	500g
Material	plastic shell	

Free Product



OPCUAScan

Functional description:

OPCUAScan is developed by Shanghai Sunfull Automation Co., LTD, It is a OPC UA client scan software, easy to operate and quick scan speed from machine.

- Support OPC UA Ethernet.
- Support read and write present value property, export EXCEL etc.
- Support Chinese and English Language.
- Green free installation, strong configurability, simple operation, fast scanning speed;

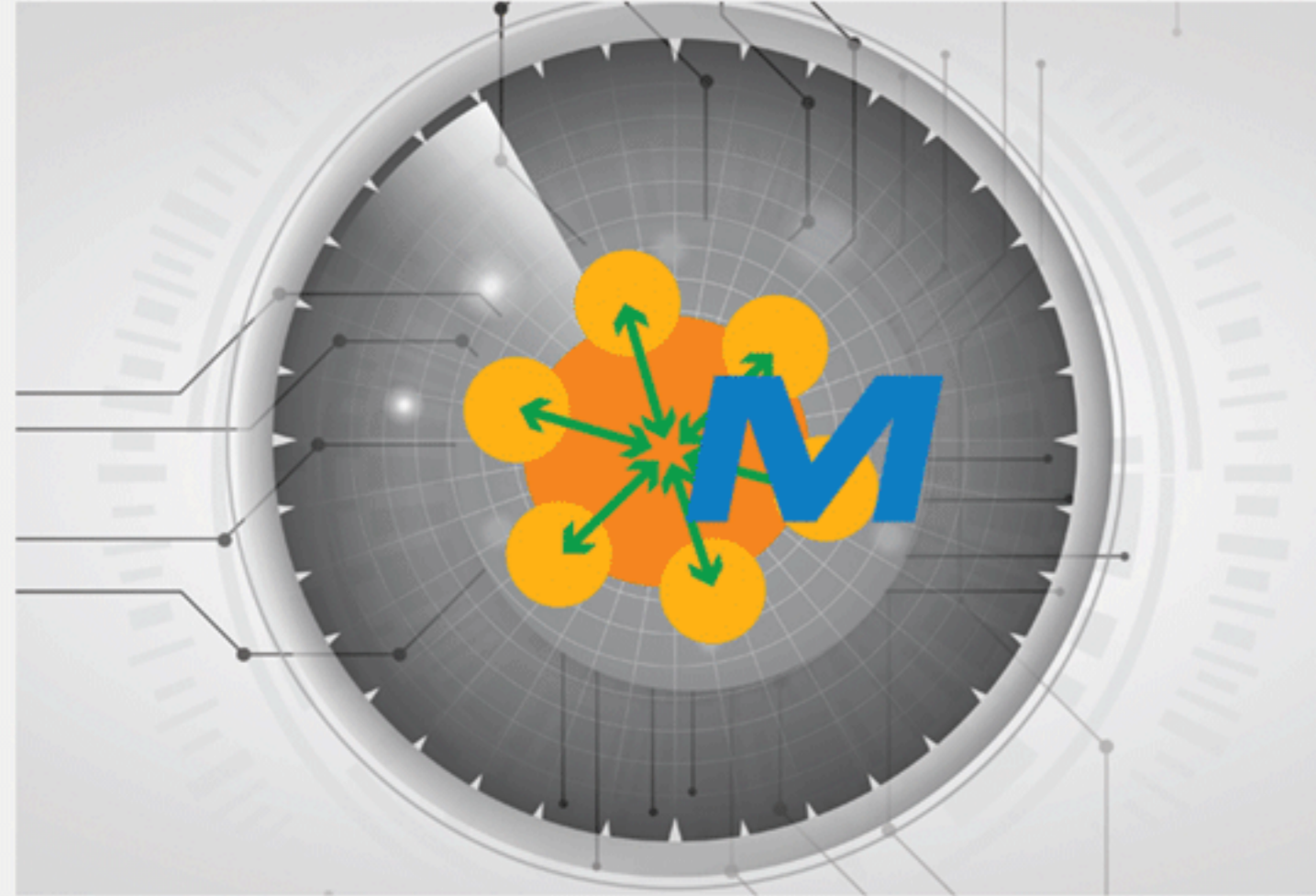
Software Features:

- Green free installation, strong configurability, simple operation, fast scanning speed;
- support multi - country language switching;
- support scanning BACnet devices, all tags are edited into X2BACnet, X2Modbus, X2OPC;

Application Field:

The free debugging tool is convenient to debug the OPC UA equipment on the spot.

Free Product



MBusScan

Functional description:

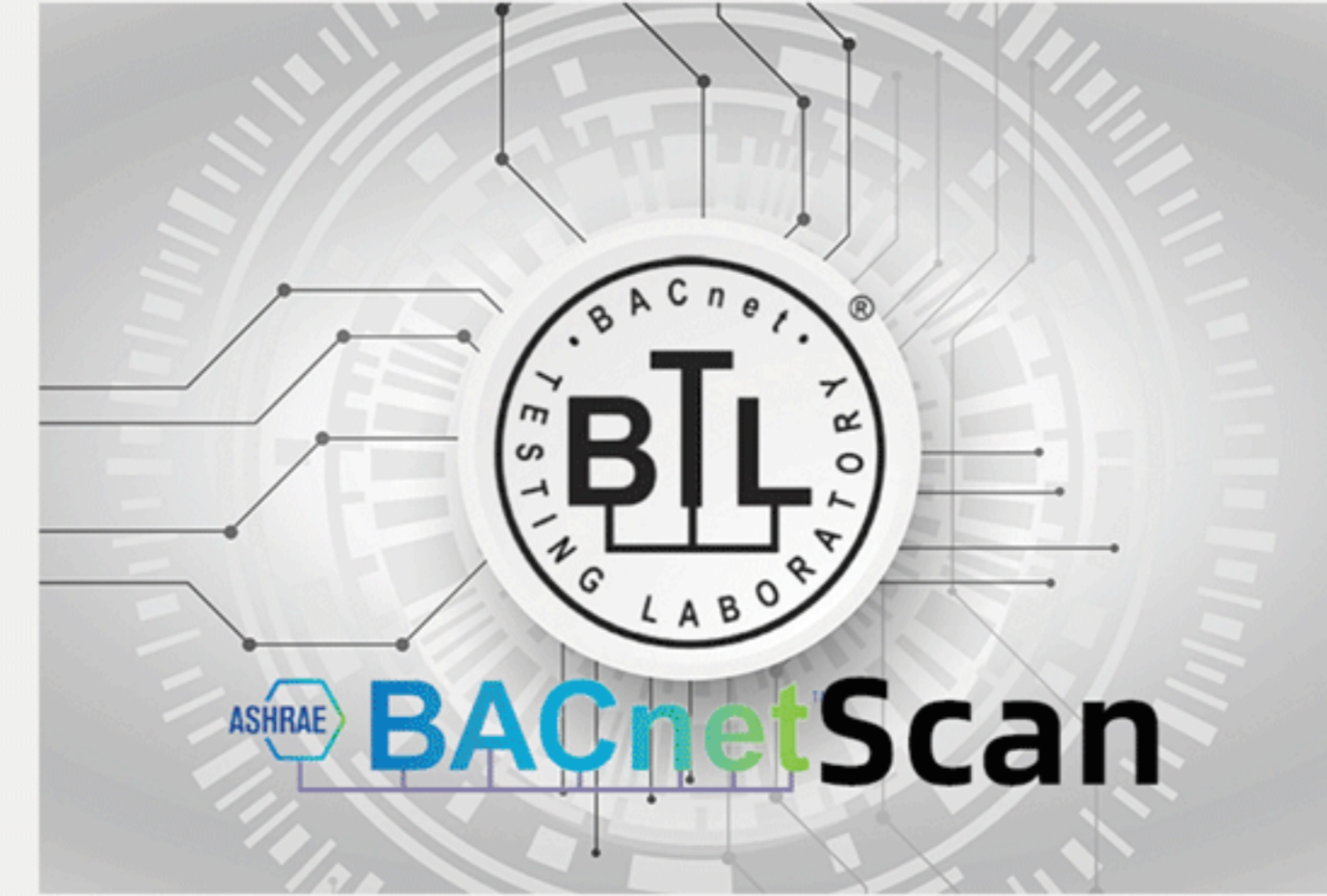
MBusScan is a client scan software developed by Shanghai Sunfull Automation Co., Ltd. Installing this software on PC can search for devices that support MBus on the bus, and have the functions of reading attributes and exporting EXCEL.

Software features:

- green free installation, configurable, simple operation, fast scanning speed;
- support scanning MBus devices, all points are edited into X2BACnet, X2Modbus, X2OPC;

Application fields:

Free debugging tools, easy to debug MBus equipment in the field.



BACnetScan

Functional description:

BACnetScan is developed by Shanghai Sunfull Automation Co., LTD, It is a BACnet client scan software, easy to operate and quick scan speed from machine.

- Support BACnet Ethernet, BACnet IP and BACnet MSTP.
- Support read and write present value property, export EXCEL etc.
- Support Chinese and English Language.
- Green free installation, strong configurability, simple operation, fast scanning speed;

Software Features:

- Green free installation, strong configurability, simple operation, fast scanning speed;
- support multi - country language switching;
- support scanning BACnet devices, all points are edited into X2BACnet, X2Modbus, X2OPC;

Application Field:

The free debugging tool is convenient to debug the BACnet equipment on the spot.