

OPC



Sunfull realizes seamless integration of industrial automation, building automation, power automation, seamless interconnection, interoperability, interoperability.



OPC serial		
1	X2OPC3
2	OPCHUB5
3	OPC2Modbus6
4	OPC2BACnet8
5	OPC2SMS10
6	OPC2IEC10411
7	OPC2SNMP12
8	OPC2WEB13

X2OPC

OPCHUB

OPC2Modbus

OPC2BACnet

OPC2SMS

OPC2IEC104

OPC2SNMP

OPC2WEB

OPC Server Product Model: X2OPC-Softkey

Application Domain:

Sunfull's OPC server solve the question that Citect, IFIX, RSVIEW, WINCC, KingView, Inspec and other configuration software cannot connect to some unusual control devices.

Bring your own WEB server to enable the IPAD and smart phone to access the site's devices through WEB browser, monitor the running state of the device, etc.

Operating environment:

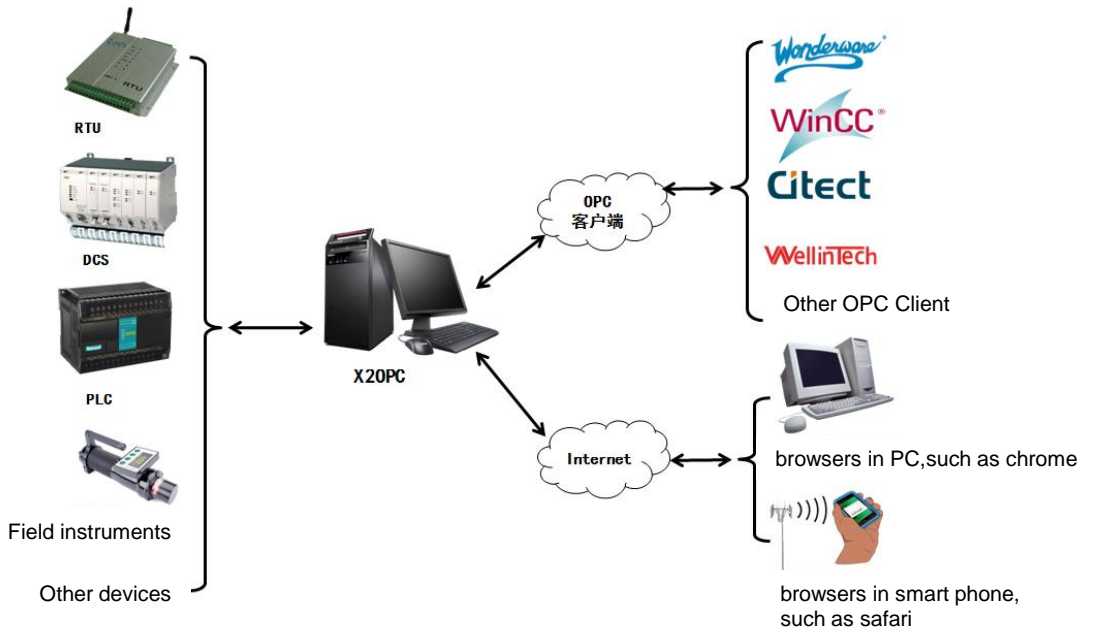
Software supports multiple operating systems such as Windows XP/ 2000/2003/2003 /Win 7/Win8/Win10/Win Server 2003/Win Server2008/Win Vista.

The software comes with WEB support for IE9 and above, Opera, Safari, Chrome, 360 browser and firefox.

Software features:

- green and free installation, supporting Chinese and English;
- support nearly 200 protocols simultaneously to OPC server;
- support WEB browsing, viewing, setting, monitoring and control;
- support OPC DA1.0,2.0 and OPC xml-da;
- the points are authorized according to customer requirements;
- the configuration software X2OPC is convenient for configuration and can be completed in 1024 hours;
- add a new private protocol to support the OPC server, which can be completed within 2 weeks.

Field application schematic diagram:



OPC Server Product Model: X2OPC-USBkey

Application Domain:

Sunfull's OPC server solve the question that Citect, IFIX, RSVIEW, WINCC, KingView, Inspec and other configuration software cannot connect to some unusual control devices.

Bring your own WEB server to enable the PAD and smart phone to access the site's devices through WEB browser, monitor the running state of the device, etc.

Operating environment:

Software supports multiple operating systems such as Windows XP/ 2000/2003/2003 /Win 7/Win8/Win10/Win Server 2003/Win Server2008/Win Vista.

The software comes with WEB support for IE9 and above, Opera, Safari, Chrome, 360 browser and firefox.

Software features:

- green and free installation, supporting Chinese and English;
- support nearly 200 protocols simultaneously to OPC server;
- support WEB browsing, viewing, setting, monitoring and control;
- support OPC DA1.0,2.0 and OPC xml-da;
- the points are authorized according to customer requirements;
- the configuration software X2OPC is convenient for configuration and can be completed in 1024 hours;
- add a new private protocol to support the OPC server, which can be completed within 2 weeks.

Field application schematic diagram:

Same with OPC server product model: x2opc-softkey.

X2OPC product series:

X2OPC Product Model	Size/mm (L×W×H)	Weigh t/g	Color	Authorization mode/implementation function
X2OPC-Softkey	None	None	None	Software licensing/converting different communication protocols to OPC servers
X2OPC-USBkey	44*16*8	8	Dark blue	usb-key cryptographic dog authorizes/transfers various communication protocols to OPC servers

OPCHUB Product Model: OPCHub-Softkey OPCHub-USBkey

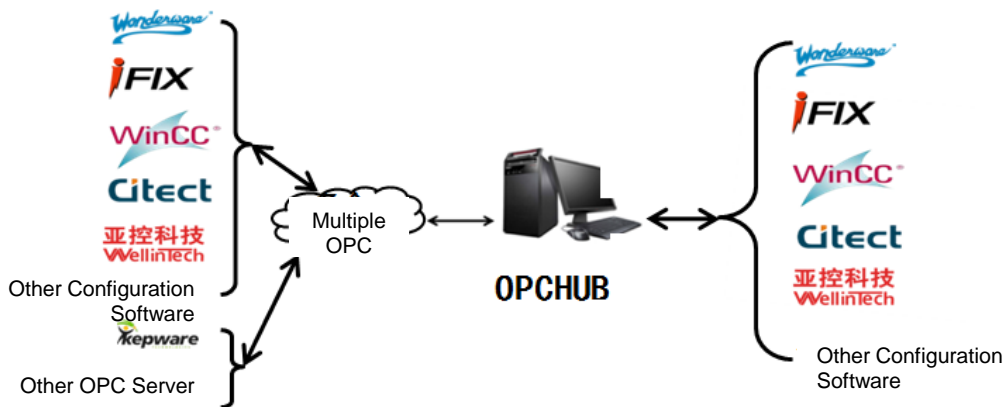
Working principle: OPCHub is the OPC client, but also the OPC server. The function is to convert multiple local or remote OPC servers to a local OPC server.

Application: OPC through DCOM configuration, remote access, there is a fatal problem: the network is disconnected after recovery, the client is often not achieved automatic reconnection function. While users use Sunfull's OPCHub can solve this problem, the multiple local or remote OPC servers to the local OPC server, so that direct access to the local OPC server can realize remote access to multiple OPC servers.

Software features:

- Green free installation, support in Chinese and English;
- Support to read local or remote OPC server to local OPC;
- Support the Web interface and support Web browsing data;
- Support quick browsing of OPC points;
- Support data type conversion;
- Support cloud services, data upload cloud platform;
- Support import and export EXCEL, match point faster, more convenient;
- OPCHub-USBKey encryption dog authorization, plug and play;
- OPCHub-Softkey soft authorization, easy to use;
- OPCHub software is configurable, easy to operate, stable and reliable;

Principle diagram of field application:



OPCHUB Product Serial:

OPCHUB Product Model	Size/mm (L×W×H)	Weight/g	Color	Authorization mode/implementation function
OPCHUB-Softkey	None	None	None	The software authorizes / reads local or remote OPC servers to local OPC, and has the function of disconnection and reconnection
OPCHUB-USBkey	44*16*8	8	Dark blue	USB-Key dongle authorizes / reads local or remote OPC servers to local OPC, which has the function of disconnection and reconnection

X2OPC
 OPCHUB
 OPC2Modbus
 OPC2BACnet
 OPC2SMS
 OPC2IEC104
 OPC2SNMP
 OPC2WEB

OPC2Modbus

OPC2Modbus Product Model: O2M-Softkey

Function description:

Function 1: OPC2Modbus software can be used to solve the remote access to OPC server encountered DCOM configuration problems (remote OPC shortcomings: Communication instability, DCOM configuration trouble, is not conducive to maintenance). After the OPC2Modbus software is installed on the computer running on the OPC server, the OPC server is read and converted to the Modbus server by this software, so that other computers can monitor and control (read and write OPC server) only by accessing the Modbus server;

Function 2: Linux platform equipment (such as some industrial touch panel) or device without operating system (such as PLC) can access PC server on OPC through Modbus protocol, so as to realize system integration.

The advantages of OPC2Modbus : configurable, simple operation, stable and reliable, after the program exits, automatically save the time log.

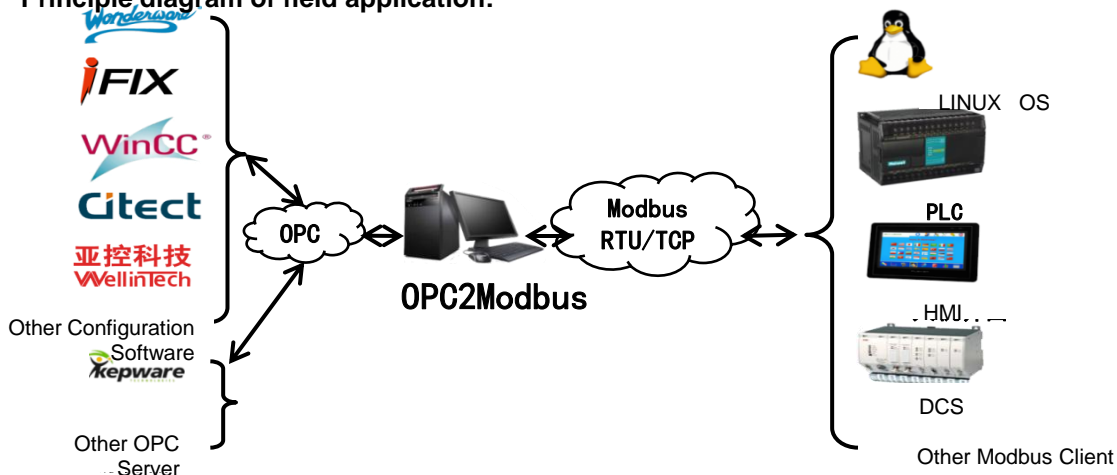
Application domain:

- Solving industrial touch panel access to OPC server
- Solve the OPC server without Windows operating system, such as Linux OS computer, PLC, DCS and so on
- Solve the problems of remote OPC server such as Citect, IFIX, RSVIEW, WINCC , KingView, Inspec and other configuration software Etc..... .

Software features:

- Green free installation, support in Chinese and english;
- Support read OPC server to Modbus RTU and ModbusTCP server;
- Support WEB browsing, viewing, setting, monitoring and control;
- Support Modbus synchronous asynchronous write value operation;
- No limit points
- O2M-Softkey soft authorization, easy to use;

Principle diagram of field application:



X20PC

OPCHUB

OPC2Modbus

OPC2BACnet

OPC2SMS

OPC2IEC104

OPC2SNMP

OPC2WEB

OPC2Modbus Product Model: O2M-USBkey

Function description:

Function 1: OPC2Modbus software can be used to solve the remote access to OPC server encountered DCOM configuration problems (remote OPC shortcomings: Communication instability, DCOM configuration trouble, is not conducive to maintenance). After the OPC2Modbus software is installed on the computer running on the OPC server, the OPC server is read and converted to the Modbus server by this software, so that other computers can monitor and control (read and write OPC server) only by accessing the Modbus server;

Function 2: Linux platform equipment (such as some industrial touch panel) or device without operating system (such as PLC) can access PC server on OPC through Modbus protocol, so as to realize system integration。

The advantages of OPC2Modbus : configurable, simple operation, stable and reliable, after the program exits, automatically save the time log.

Application domain:

- Solving industrial touch panel access to OPC server
- Solve the OPC server without Windows operating system, such as Linux OS computer, PLC, DCS and so on
- Solve the problems of remote OPC server such as Citect, IFIX, RSVIEW, WINCC , KingView, Inspec and other configuration software Etc..... .

Software features:

- Green free installation, support in Chinese and english;
- Support read OPC server to Modbus RTU and ModbusTCP server;
- Support WEB browsing, viewing, setting, monitoring and control;
- Support Modbus synchronous asynchronous write value operation;
- No limit points
- O2M-USBkey dongle, plug and play;

Principle diagram of field application:

Same with OPC2Modbus Product Model: O2M-Softkey.

OPC2Modbus Product Serials :

OPC2Modbus Product Model	Size/mm (L×W×H)	Weig ht/g	Color	Authorization mode/implementation function
O2M-Softkey	None	None	None	The software authorizes / reads the OPC server and converts it to the Modbus server, which has the function of disconnection and reconnection
O2M-USBkey	44*16*8	8	Dark blue	USB-Key dongle authorizes / reads the OPC server and converts it to Modbus server, which has the function of disconnection and reconnection

X2OPC
OPCHUB
OPC2Modbus
OPC2BACnet
OPC2SMS
OPC2IEC104
OPC2SNMP
OPC2WEB

OPC2BACnet Product Model: O2B-Softkey

Function Description: OPC2BACnet software is mainly used to solve the problem that most building automation software can not access the OPC server. Because access to OPC server through OPC2BACnet, even if the configuration software supports the OPC interface, but the purchase of the interface is expensive, can also not buy OPC interface, only buy to support the Bacnet protocol, thereby saving costs

Working principle: Install OPC2BACnet software on the OPC server computer on the OPC server, read through the "OPC2BACnet" data is converted into BACnet IP/MSTP from the station, so the other computer configuration software only through the BACnetIP/MSTP protocol, which can realize the monitoring and control of the OPC server, OPC server and realizes the system integration.

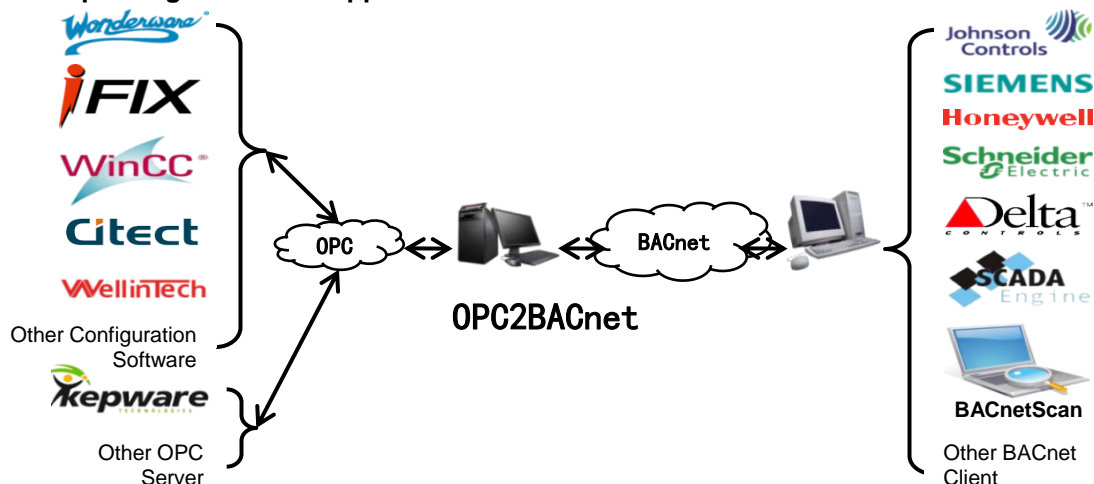
Application domain:

- Solve the Metasys configuration software access to OPC server
- Solve the Bactalk BAS system Alerton company access to the OPC server
- Solve SIEMENS Insight configuration software to access the OPC server
- Solve the "Hysine BA management system" viewlogic software to access the OPC server
- Solve the ALC company's software access to the OPC server
- Solve the Honeywell configuration software EBI or Niagara without OPC interface to access the OPC server etc.....

Software features:

- 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, each object supports 1024 points, a total of 9216 points;
- Support linear conversion, take bit;
- Easy to use configuration software OPC2BACnet;
- O2B-Softkey soft authorization, easy to use;

Principle diagram of field application:



- X20PC
- OPCHUB
- OPC2Modbus
- OPC2BACnet
- OPC2SMS
- OPC2IEC104
- OPC2SNMP
- OPC2WEB

X2OPC
OPCHUB
OPC2Modbus
OPC2BACnet
OPC2SMS
OPC2IEC104
OPC2SNMP
OPC2WEB

OPC2BACnet Product Model: O2B-USBkey

Function Description: OPC2BACnet software is mainly used to solve the problem that most building automation software can not access the OPC server. Because access to OPC server through OPC2BACnet, even if the configuration software supports the OPC interface, but the purchase of the interface is expensive, can also not buy OPC interface, only buy to support the Bacnet protocol, thereby saving costs

Working principle: Install OPC2BACnet software on the OPC server computer on the OPC server, read through the "OPC2BACnet" data is converted into BACnet IP/MSTP from the station, so the other computer configuration software only through the BACnetIP/MSTP protocol, which can realize the monitoring and control of the OPC server, OPC server and realizes the system integration.

Application domain:

- Solve the Metasys configuration software access to OPC server
- Solve the Bactalk BAS system Alerton company access to the OPC server
- Solve SIEMENS Insight configuration software to access the OPC server
- Solve the "Hysine BA management system" viewlogic software to access the OPC server
- Solve the ALC company's software access to the OPC server
- Solve the Honeywell configuration software EBI or Niagara without OPC interface to access the

OPC server etc.....

Software features:

- 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, each object supports 1024 points, a total of 9216 points;
- Support linear conversion, take bit;
- Easy to use configuration software OPC2BACnet;
- O2B-USBkey soft authorization, easy to use;
- USBKey encryption dog authorization, plug and play.

Principle diagram of field application:

Same with OPC2BACnet Product Model: O2B-Softkey.

OPC2BACnet Product Serials

OPC2BACnet Product Model	Size/mm (L×W×H)	Weight /g	Color	Authorization mode / implementation function
O2B-Softkey	None	None	None	The software authorizes / reads the OPC server and converts it to the BACnet server, which has the function of disconnection and reconnection
O2B-USBkey	44*16*8	8	dark blue	USB-Key dongle authorizes / reads the OPC server and converts it to BACnet server, which has the function of disconnection and reconnection

OPC2SMS ProductModel: O2S-Softkey O2S-USBkey

Working principle: Install this software on the OPC server computer, read the data of OPC server through "OPC2SMS", for OPC-DA server, you can set alarm information according to the collected data; for the OPC-AE server, you can directly receive the alarm information. Then, the GPRS Modem is sent to the user's mobile phone, or sent to the set mailbox through the network, and can also be broadcast through the speaker voice.

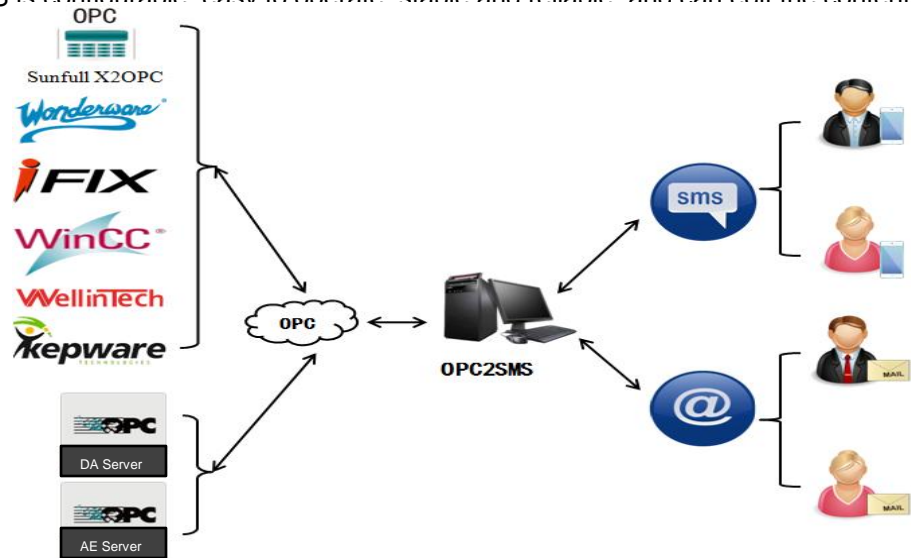
Operating environment:

OPC2SMS software supports Windows, XP/2000/2003/Win, Server, 2003/Win, Server2008/Win, Vista and other operating systems 7/Win8/Win.

Software features:

- Green free installation, support in Chinese and english;
- Support read OPC server to SMS SMS alarm server;
- Support linear conversion, take bit;
- Support import and export EXCEL, match point faster, more convenient;
- O2S-USBKey encryption dog authorization, plug and play; O2S-Softkey soft authorization, easy to use;
- Software OPC2SMS is configurable easy to operate stable and reliable and can edit the contents of the alarm freely.

Principle diagram of field application:



OPC2SMS Product Serials

OPC2SMS Product Models	Size/mm (L×W×H)	Weig ht/g	Color	Authorization mode / implementation function
O2S-Softkey	None	None	None	The software authorizes / reads the OPC server and converts it into SMS SMS alarm, which has the function of disconnection and reconnection
O2S-USBkey	44*16*8	8	Dark blue	Encrypted dog authorized / read OPC server and converted to SMS SMS alarm, with disconnection reconnection function

- X2OPC
- OPCHUB
- OPC2Modbus
- OPC2BACnet
- OPC2SMS
- OPC2IEC104
- OPC2SNMP
- OPC2WEB

OPC2IEC104 Product Model : O2I-Softkey O2I-USBkey

Function description:

- Support remote control, telemetry, remote communication, remote control;
- Solve the power configuration software through the IEC104 protocol to monitor and control and access the data of OPC server, etc...

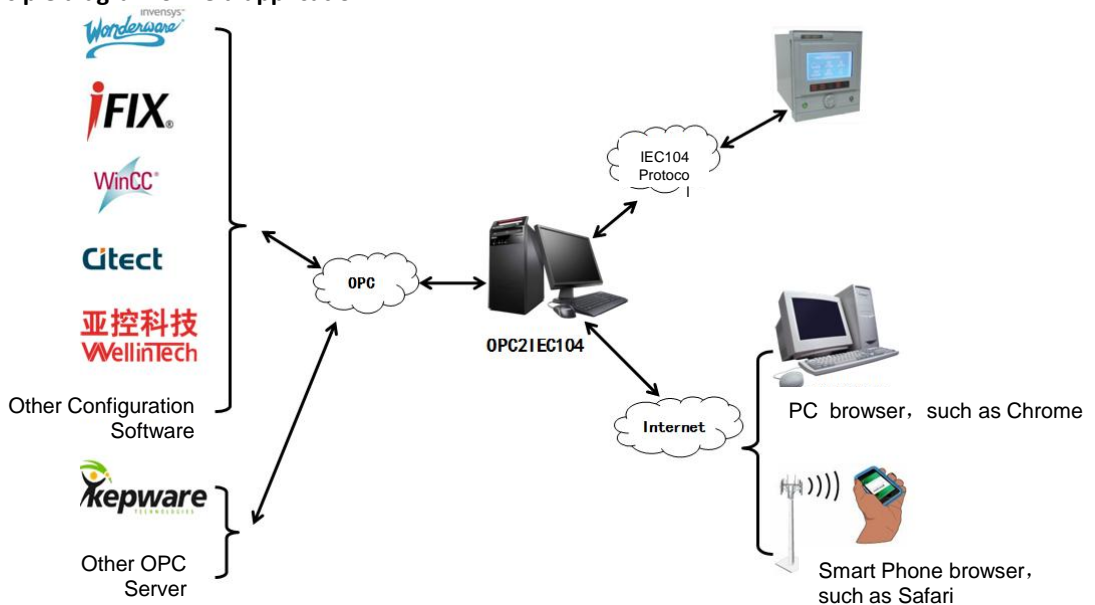
Operating environment:

software supports Windows, XP/2000/2003/Win, Server, 2003/Win, Server2008/Win, Vista and other operating systems 7/Win8/Win.

Software features:

- Green free installation, support in Chinese and english;
- 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;

Principle diagram of field application:



OPC2IEC104 Product Serials

OPC2IEC104 Product Model	Size/mm (L×W×H)	Weight/g	Color	Authorization mode / implementation function
O2I-Softkey	None	None	None	The software authorizes / reads the OPC server and converts it to the IEC104 server, which has the function of disconnection and reconnection
O2I-USBkey	44*16*8	8	Dark blue	The dongle authorizes / reads the OPC server and converts it to a IEC104 server, which has the function of disconnection and reconnection

OPC2SNMP Product Model: OtS-Softkey OtS-USBkey

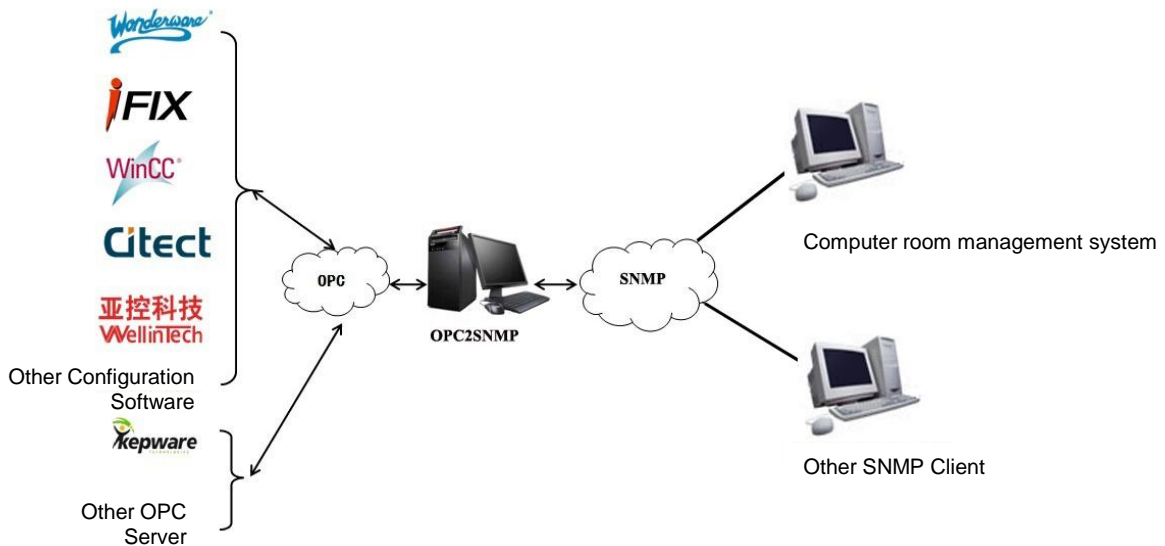
Working principle: The working principle of OPC2SNMP is to convert the ordinary OPC DA standard OPC server into SNMP slave station, which is convenient for other SNMP clients to access. In addition, the trial version can also be used as a common OPC client debugging software, but also a good choice, purely used by the client, there is no time limit, only forwarded to SNMP this part has 30 minutes time limit.

Operating environment: OPC2SNMP software supports Windows, XP/2000/2003/Win, Server, 2003/Win, Server2008/Win, Vista and other operating systems 7/Win8/Win.

Software features:

- Green free installation, support in Chinese and English;
- 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;
- OPC2SNMP software is configurable, easy to operate, stable and reliable;

Principle diagram of field application:



OPC2SNMP Product Serials

OPC2SNMP Product Model	Size/mm (L×W×H)	Weigh t/g	Color	Authorization mode / implementation function
OtS-Softkey	None	None	None	The software authorizes / reads the OPC server and converts it into a SNMP proxy, which has the function of disconnection and reconnection
OtS-USBkey	44*16*8	8	Dark blue	The dongle authorizes / reads the OPC server and converts it into a SNMP proxy, which has the function of disconnection and reconnection

- X20PC
- OPCHUB
- OPC2Modbus
- OPC2BACnet
- OPC2SMS
- OPC2IEC104
- OPC2SNMP
- OPC2WEB

OPC2WEB Product Model: O2W-Softkey O2W-USBkey

OPC2WEB
 OPC2SMP
 OPC2SNMP
 OPC2IEC104
 OPC2SMS
 OPC2BACnet
 OPC2Modbus
 OPC2HUB
 X2OPC

Working principle: The working principle of OPC2Web is to convert the ordinary OPC DA standard OPC server into OPC XML-DA 1 specification, so that the traditional OPC server can support WEB access. The software design of this tool aims to allow Niagara and Webs to use free and easy SoapClient interfaces, such as Kepware OPC server, industrial configuration software WinCC, and so on.

In addition, the trial version can also be used as a common OPC client debugging software, but also a good choice, purely used by the client, there is no time limit, only forwarded to Web this part has 30 minutes time limit.

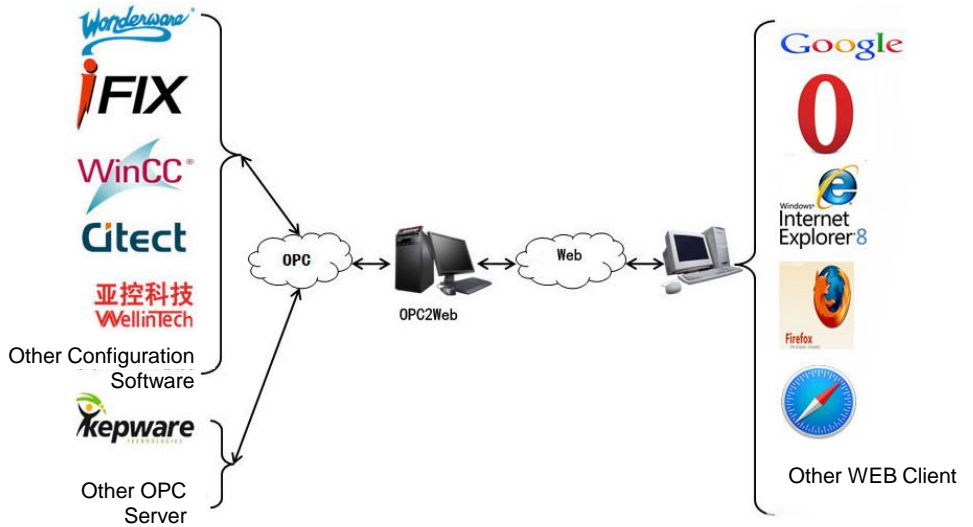
Application domain: Solve the Niagara access to OPC server; solve the WEBS access to OPC server; other configuration software bar access OPC server with soap method;

Software features:

- Green free installation, support in Chinese and English;
- Support read OPC server to WEB server;
- Convenient fault diagnosis;
- Support the import and export of data points to the EXCEL table for editing;
- Easy to use configuration software OPC2WEB;
- O2W-USBKey encryption dog authorization, plug and play;
- O2W-Softkey soft authorization, easy to use;

Principle diagram

of field application:



OPC2WEB Product Serials:

OPC2WEB Product Model	Size/mm (L×W×H)	Weig ht/g	Color	Authorization mode / implementation function
O2W-Softkey	None	None	None	The software authorizes / reads the OPC server and converts it to the WEB server, which has the function of disconnection and reconnection
O2W-USBkey	44*16*8	8	Dark blue	The dongle authorizes / reads the OPC server and converts it to a WEB server, which has the function of disconnection and reconnection

Protocols Available for OPC server

Common

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

Simulation

- 14 Simulator

Calorimeter for EU

- 15 MBus_EnergyMeter_EN

Calorimeter for CN

- 16 MBUS_XinTuo
- 17 MBUS_MaiTuo

Energy Meter for CN

- 18 MBUS_AKE
- 19 MBus_YongGang
- 20 MBus_Zenner
- 21 MBus_EnergerMeter
- 22 MBus_EnergyMeter_HaiLin
- 23 Modbus_HaiLin_EnergyMeter

Water Meter for CN

- 24 MBus_WaterMeter
- 25 MBus_lyglhsb
- 26 ModbusRTU_Zenner
- 27 MBus_WaterMeter_LXSGY_15E

Flow Meter

- 28 Modbus Kent
- 29 Spirax SARCO M841
- 30 SC_FlowMeter
- 31 Modbus_CNM
- 32 MODBUS_LCD
- 33 Modbus_LDZ_6_GuangHua
- 34 Modbus_BiaoYi_WL

Elevator

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

Electricity Meter

- 48 IEC104

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

Airconditon

56 Toshiba_Airconditioning
57 EMERSON_ACM03U1
58 Hisense_Airconditioning
59 Joton Tmaster
60 Modbus_DAIKIN_IRACC
61 DAIKIN_DRCH-R5
62 VotonThermostat
63 SysGreen_Airconditioning
64 Hitachi_Chiller
65 SANYO_DG-52GHT
66 Gree_BaseStationAirconditioning

PLC

67 Mitsubishi FX1S
68 Mitsubishi FX2N
69 Mitsubishi FX3U
70 Mitsubishi FX_485ADP_485BD
71 Mitsubishi Melsec_Q_Serial
72 Mitsubishi Melsec_Q_TCP
73 MEGMEET_MC200
74 Haiwell E/S PLC
75 Haiwell H/N PLC
76 Panasonic FP
77 XINJE PLC
78 DELTA_DVP

79 FATEK_FB
80 OMRON_FINS_UDP
81 OMRON_FINS_Serial
82 Saia_SBus_UDP
83 Toshiba_PROVISOR_TC200

Siemens PLC

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

Lighting control

89 KNXnetIP
90 KNXnetIP_MultiCast
91 DyNet
92 Modbus LDS
93 MicroPara_DR0816
94 MicroPara_DR1220
95 MicroPara_DH0416
96 LitePuter_DP_105E
97 LitePuter_PLNET
98 MicroPara
99 ULaiDe
100 LDS
101 E_Linker_ECWG485
102 Lutron_Telnet

UPS

103 SANTAK UPS
104 DELTA UPS ES3000
105 LEGRAND UPS
106 EMERSON_HIPULSE

Protocols Available for OPC server

- 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

Shanghai Sunfull Automation Co., LTD

Contact:Linda.Chen
TEL: +86 (21)58776098
Email: sales@opcmaster.com

<http://www.opcmaster.com>
<http://www.bacnetchina.com>

More product information ,
please follow Wechat
public number.

