

WEB Configuration Touch Panel Series



Mobile phone、iPad、
Computer can monitor
configuration pages in real
time.

Open data interfaces are
integrated by third party
systems



7 WEB Touch Panel Product mode:I7-1031 (With gateway function)

Functional description: I7-1031 is a new generation of WEB HMI based on HTML5 specification independently developed by Shanghai Sunfull ,which can realize the on-site data monitoring and directly transform to the configuration screen for real-time data monitoring.It has the characteristic of easy operation of general configuration.In addition, touch screen configuration software can run on the embedded system.Compared to other configuration software, the biggest highlight is completely based WEB development, a user-created configuration project, can be downloaded to run on the touch screen.Tephephone、 Pad or PC can be accessed through a browser ,and the open data interface is integrated by third-party systems.

Application field: I7-1031 supports conversion to standard BACnet servers and Modbus servers.It is applied to Building Automatic Control system or industrial field to connect some uncommon control equipment,such as PLC,DDC,UPS,central air conditioner,elevator,fire control system,light control system,electricity meter, water meter,etc. This allows users to monitor on-site devices via WEB HMI I7-1031 or mobile phone ,iPAD,or PC.

Runtime environment:

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

Browser: IE9 (and above) 、 Safari、 Google Chrome、 firefox、 Opera etc.

Register Type&Num

Number of Registers is dynamic, each register can be builded up to 2048 points.

Supported BACnet type and number are shown below

| BACnet Register-type | BACnet Register-number |
|----------------------|------------------------|
| AI (Read only) | 2048 (0~2047) |
| AO (Read and Write) | 2048 (0~2047) |
| AV (Read and Write) | 2048 (0~2047) |
| BI (Read only) | 2048 (0~2047) |
| BO (Read and Write) | 2048 (0~2047) |
| BV (Read and Write) | 2048 (0~2047) |
| MI (Read only) | 2048 (0~2047) |
| MO (Read and Write) | 2048 (0~2047) |
| MV (Read and Write) | 2048 (0~2047) |

Supported Modbus type and number are shown below

| Modbus Register-type | Modbus Register-number |
|--|------------------------|
| 0X(Coil Status) (Read and Write) | 2048 (1~2048) |
| 1X(Input Status) (Read Only) | 2048 (1~2048) |
| 4X(Holding Register) (Read and Write) | 2048 (1~4096) |
| 3X(Input Register) (Read only) | 2048 (1~4096) |

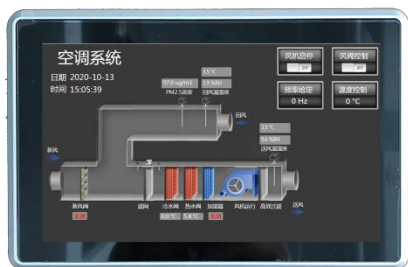
Notes:

1.4X and 3X register address = translocation register address *2+1

0X and 1X register address = translocation register address +1

2. The data type of 4X and 3X can only be Float

7" Touch Panel Product mode :I7-1041 (With gateway function)



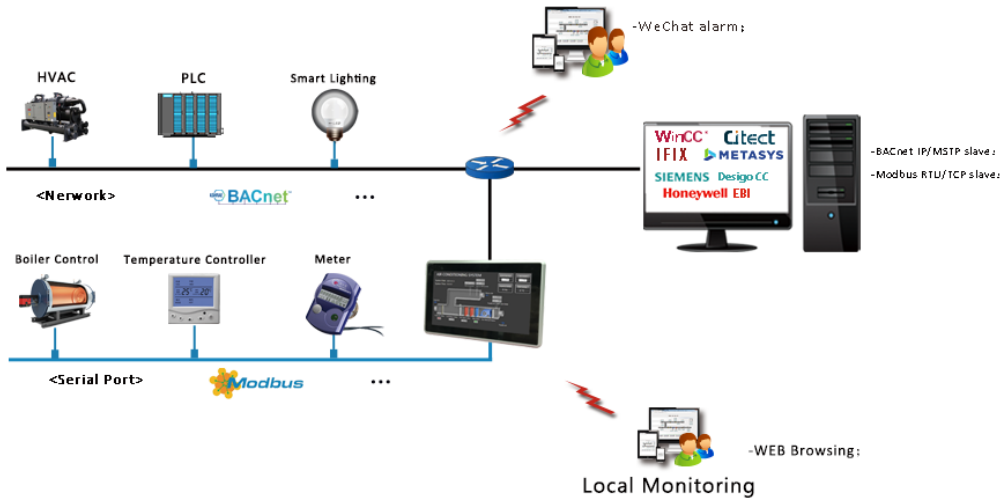
Software Features:

- Green and free installation;
- Support 6 communication protocols simultaneously
- Support to send alarm informationn by WeChat
- Support timer to realize device start and stop and set - parameters;
- Support JS script, PLC editor to realize logical control;
- Support user group management, configuration screen monitoring can set permissions;
- Support various forms of timing and event triggering, and provides custom functions for the convenience of extending the application;
- Support LAN, easy realization of remote viewing and control of touch screen via phone、iPad、PC;
- Add new private protocol support, which can be completed within 2 weeks;

Hardware Parameter:

| | |
|--|--|
| Screen resolution: 1024*600 | Displayer: 7" TFT |
| Memory: DDR3 1G | Touch type: Capacitive-type |
| System: LINUX | CPU: 4 core 1.2GHZ |
| Flash: 8GB | Power dissipation: ≤8W |
| Weight: 0.65kg | Power Supply: AC/DC 12V-24V |
| Port: 1x Ethernet, 3x RS485 serial ports 1x RS232 serial port | Hole size: 180 * 114mm |
| Material: aluminum alloy front shell metal plate back shell | Temperature: -10~60℃(working) -20~70℃(storage and transportation) |
| Network: 1x High performance 100M/10M adaptive industrial network card, support AUTO MDI/MDIX | Humidity: 10%~90%no condensation (work), 15%~95%no condensation (storage and transportation) |
| Protection class: The front panel conforms with IP65 The back shell conforms with IP20. | |

Application priciple diagram



Protocols Available

Common

- 1 BACnet IP
- 2 BACnet MS/TP
- 3 Modbus RTU
- 4 Modbus ASCII
- 5 Modbus TCP
- 6 OPC XML-DA OPC