

WEB HMI I10-1031



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I10-1031

10' WEB Touch Panel Product Model:I10-1031 (With gateway function)

Functional description: I10-1031 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、Telephone、IPad or PC can be accessed through a browser ,and the open data interface is integrated by third-party systems.

Application field: I10-1031 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 equipments,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 built up to 2048 points.

Supported BACnet type and number are shown below

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

Supported Modbus type and number are shown below

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

- Notes:
- 1.4X and 3X register address = transfer register address *2+1
 - 0X and 1X register address = transfer register address +1
 - 2. The data type of 4X and 3X can only be Float

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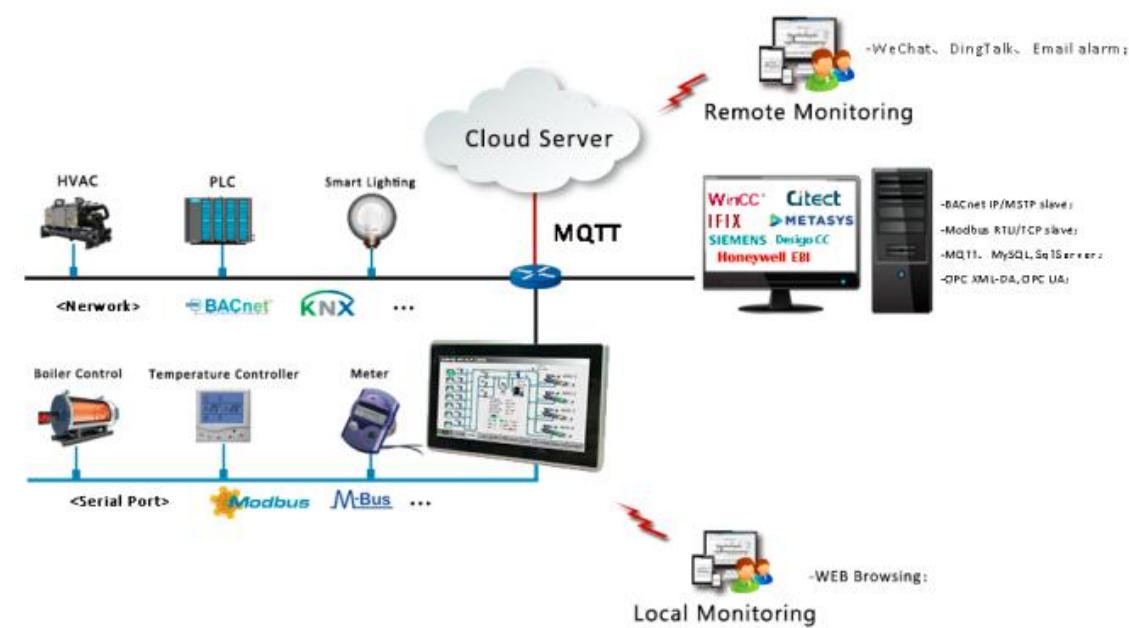
Software Features:

- Green and free installation;
- I10-1031 can be converted to BACnet server, Modbus server and OPC UA server at the same time, and can upload MQTT to cloud and store data in external database;
- Support WeChat, DingTalk, Email, SMS platform and other ways to send alarm information
- 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 Parameters:

Resolution: 1280*800	Displayer: 10.1" TFT
Memory: DDR3 1G	Touch Type: Capacitive Touch Screen
System: Linux	Processor: 4 Core 1.2GHz
Flash: 8G	Power Consumption: ≤10W
Weight: 1350g	Power Supply: AC/DC 12V-24V
Ports: 1x Ethernet, 3x RS485 serial ports 1x RS232 serial port	Hole Size: 242 * 163mm
Material: Aluminum alloy front shell, sheet metal back shell	Temperature: -10 ~ +50°C (working) -20 ~+ 70°C (storage and transportation)
Network: 1x High performance 100M/10M adaptive industrial network card, support AUTO MDI/MDIX	Humidity: 10% ~90% no condensation (working), 15% ~95% no condensation (storage and transportation)
Protection class: The front panel conforms with IP65 The back shell conforms with IP20.	

Application pricipel diagram



Product Dimensions

