

HUB2004-A9

Modbus HUB Gateway Product Model : HUB2004-A9 (Guide Way) HUB2004-A9-B (Wall-Hanging)

Functional description :

ModbusHub is Shanghai Sunfull developed a Modbus protocol gateway software, equivalent to a communication bridge, turn the Modbus communication protocol of commonly used into multiple Modbus from station, makes different upper main station (touch screen and PLC module or PC software) can access a from station equipment at the same time. No need to change the location of Modbus register, carry out the complete replication of the point bit, and realize multi-master one from accessing data. This software has two application modes: local mode and gateway mode.

Local mode: as a protocol conversion gateway software ,it can run on current mainstream Windows platform (Windows XP/2000/2003/Win 7/Win8), achieve a road from the station Modbus copied into multiple Modbus from the station, access for multiple Modbus master.

Gateway mode: as a configuration software ,it can download the configuration project to the ModHub hardware gateway (ModHub is an embedded hardware gateway product developed by Sunfull). The ModbusHub hardware gateway, which is configured with the same project, also functions as a way to copy a Modbus slave station into a multiplex Modbus slave station for multiple MODBUS master stations.

Technical parameters :

ModbusHUB support ModbusRTU、mosbusASCII 、 ModbusTCP、 ModbusUDP、 ModbusRTU_TCP, ModbusRTU_UDP, ModbusASCII_TCP, ModbusASCII_UDP etc. 8 kinds of common Modbus protocol and can be converted into Modbus TCP and Modbus RTU, which supports multiple ModbusRTU from the station. The gateway supports a ModbusTCP server and multiple ModbusRTU servers (up to 2), 4 registers, supports 256 points, and the specific points are freely allocated by the user.

Runtime environment :

OS : Windows XP/ 2000/2003/2003 /Win 7/Win 8/Win 10/Win Server 2003/Win Server2008

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

Register Type&Num:

Modbus Gateways support multiple Modbus RTU/TCP server s,The register type and number of the supported registers are shown below:

Note: the number of gateway registers is dynamically supported, and 256 points can be built for each register.

Modbus Register Type	Modbus Register Number
0X (Read & Write)	5120(1~5120)
1X (Read only)	5120(1~5120)
4X (Read & Write)	5120(1~5120)
3X (Read only)	5120(1~5120)

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Software Features :

-Green and free installation, support both Chinese and English;

-PC Local mode, configuration software can simulator collect modbus device's data;

-Support Modbus ASCII、 Modbus RTU etc. 8 kinds of protocols convert into ModbusRTU and ModbusTCP;

-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;

-Configuration software ModbusHub configuration engineering is convenient,the 5120 dots will be completed within 20 minutes;

-Support multiple hosts and one slave station; Support user privilege management ;

Hardware parameter :

CPU : 1.4GHZ

Power : AC/DC 9-24V

Memory : 512M High performance memory

Size(L×W×H) : 142*112*28mm(Wall-Hanging)
142*91*35mm(Guide way)

System : LINUX

Weight : 250g

Watts : 5W

Material : Aluminum Cover

Interface : 2Ethernet
4Serial Ports (RS485)

Setup : Wall-Hanging (HUB2004-A9-B)
Guide Way (HUB2004-A9)

Flash : 4GB

Temperature : -40 ~ 85°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)

HUB1002-ARM

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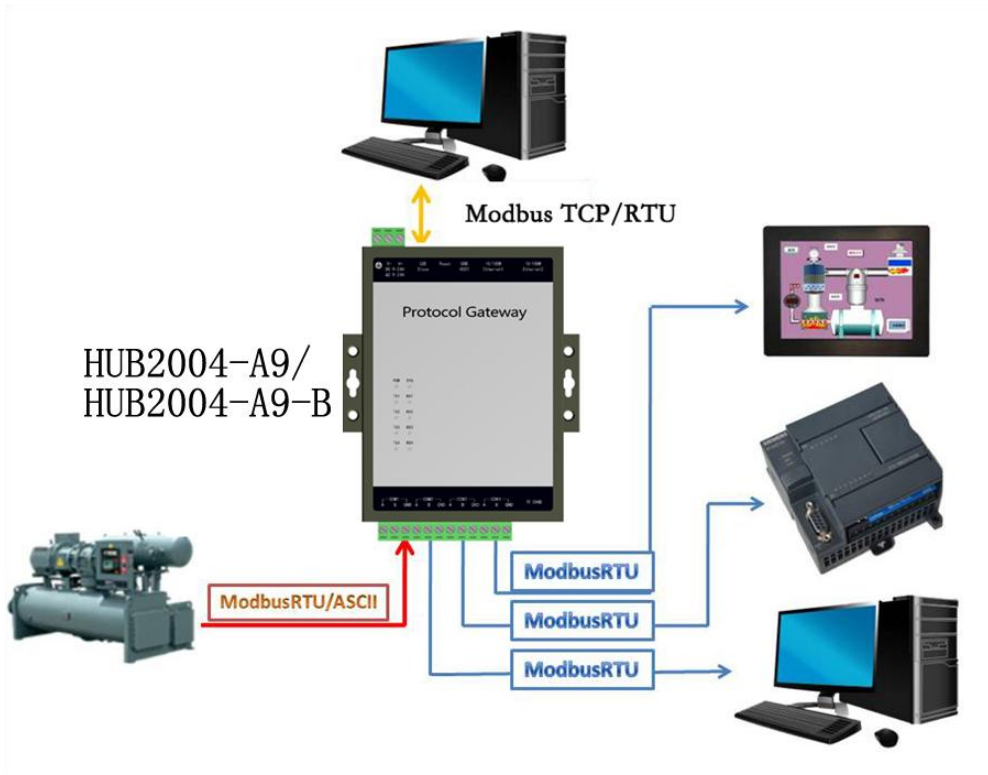
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Application Principle Diagram

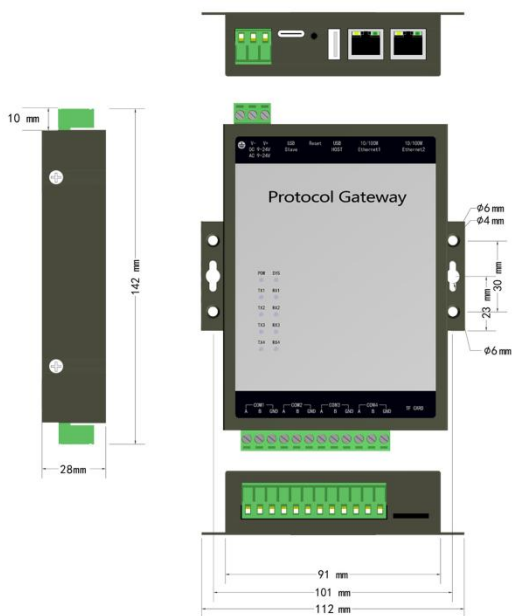
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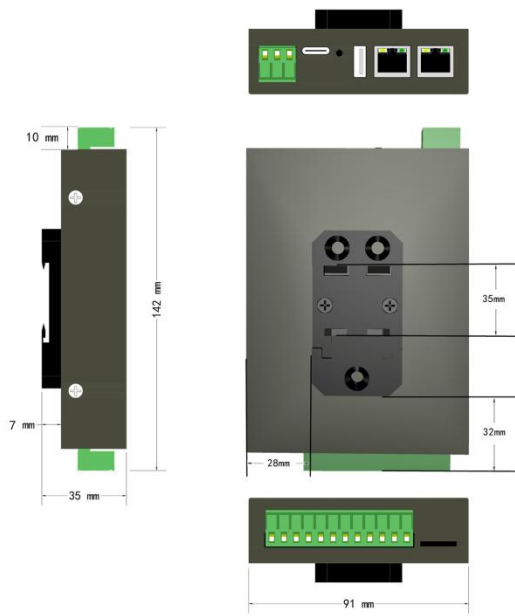
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Product Size



HUB2004-A9-B (Wall-Hanging)



HUB2004-A9 (Guide Way)