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ModbusHUB

ModbusHUB Gateways
help Industrial Automation
to integrate,to achieve
interoperability

ModbusHub Easy to Configure

ModbusHUB Gateways

Model	Supported Points	Supported Devices	Supported Protols	Interfaces
HUB1002-ARM	256	64	Modbus only	1 ethernet 2 serial ports
HUB2004-ARM	1024	128	Modbus only	2 ethernet 4 serial ports
HUB2004-A9	5120	128	Modbus only	2 ethernet 4 serial ports

Modbus HUB Gateway **Product Model**：HUB1002-ARM（Guide Way) HUB1002-ARM-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 can access one station equipment at the same time.

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 Shanghai 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:

ModbusHUB Gateways support multiple Modbus TCP servers and multiple Modbus RTU servers（up to 2），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 RegisterType	Modbus ResgisterNumber
0X（Reading & Write）	256（1~256）
1X（Reading only）	256（1~256）
4X（Reading & Write）	256（1~256）
3X（Reading only)	256（1~256）

HUB1002-ARM

Modbus HUB Gateway　　Product Model:HUB1002-ARM（Guide Way） HUB1002-ARM-B（Wall-Hanging）

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 softwareModbusHUB configuration engineering is convenient,the 256 dots will be completed within 10 minutes;

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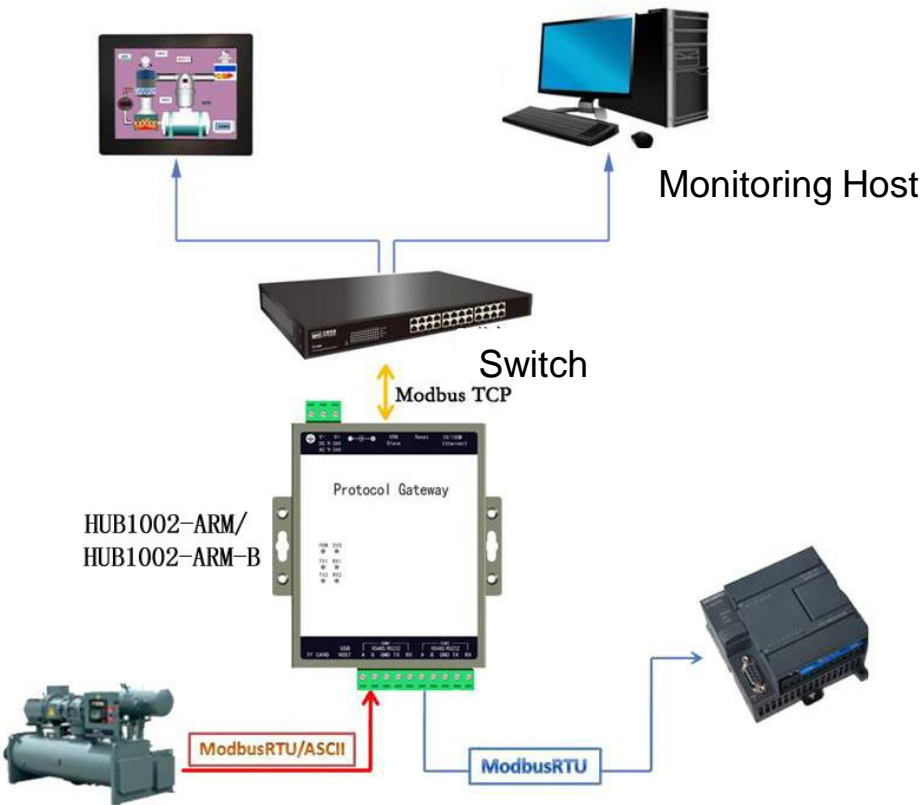
Hardware parameter：

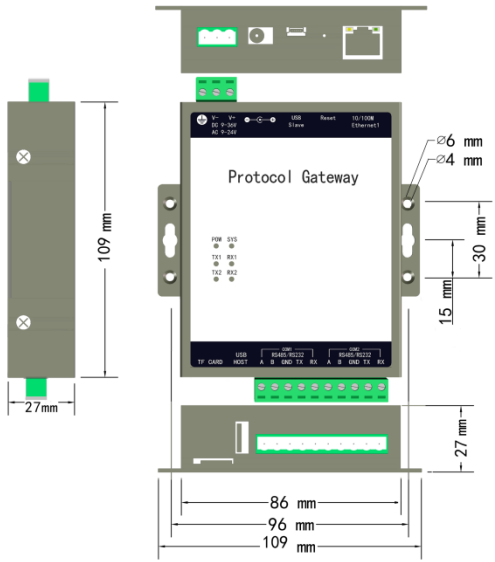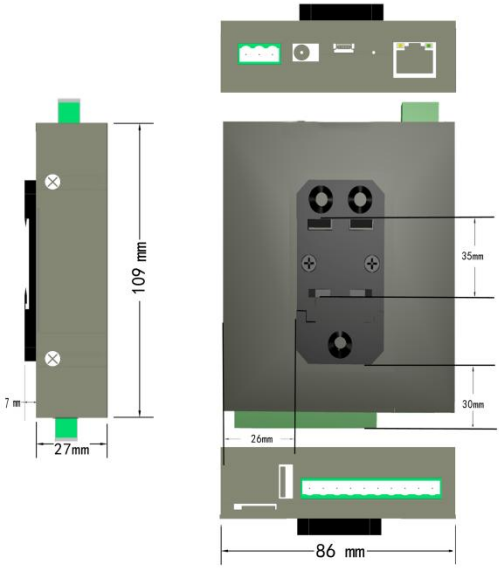|	
CPU：240MHZ	Power：AC/DC 9-24V
Memory：32M High performance memory	Size（L×W×H）： 129*109*27㎜（Wall-Hanging） 129*86*34㎜（Guide Way）
System：LINUX	Weight：200g
Watts：5W	Material：Aluminum Cover
Interface : 1Ethernet 2Serial Ports (RS485 & RS232)	Setup：Wall-Hanging（MOD1002-ARM-B） Guide Way（MOD1002-ARM）
Flash：128M	Temperature：−40～85℃（working） −40～85℃（storage and transportation）
Network: 1 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)

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HUB1002-ARM

HUB2004-ARM

HUB2004-A9

Application Principle Diagram

Monitoring Host

Switch

Modbus TCP

Protocol Gateway

HUB1002-ARM/
HUB1002-ARM-B

ModbusRTU/ASCII

ModbusRTU

Product Size

HUB1002-ARM-B（ Wall-Hanging ）　　　　HUB1002-ARM（ Guide Way ）

Modbus HUB Gateway   Product Model：HUB2004-ARM（Guide Way) HUB2004-ARM-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 can access one station equipment at the same time.

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:

ModbusHUB Gateways support multiple Modbus TCP servers and multiple Modbus RTU servers （up to 4）,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 RegisterType	Modbus ResgisterNumber
0X（Reading & Write）	1024（1~1024）
1X（Reading only）	1024（1~1024）
4X（Reading & Write）	1024（1~1024）
3X（Reading only)	1024（1~1024）

Modbus HUB Gateway   Product Model:HUB2004-ARM（Guide Way） HUB2004-ARM-B（Wall-Hanging）
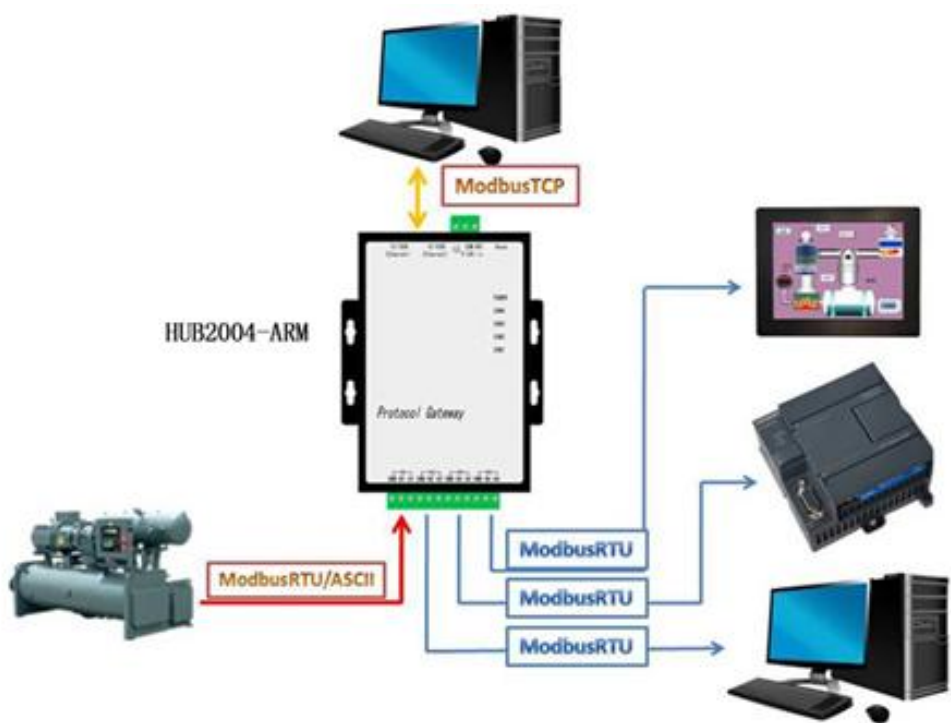
HUB1002-ARM

HUB2004-ARM

HUB2004-A9

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 x2modbus-lite configuration engineering is convenient,the1024 dots will be completed within 20 minutes;
-Support multiple hosts and one slave station; Support user privilege management ;

| **Hardware parameter：**	
CPU：400MHZ	Power：AC/DC 9-24V
Memory：64M High performance memory	Size（L×W×H）：160*116*37
System：WINCE	Weight：500g
Watts：7W	Material：carbon steel
Interface：2Ethernets 4Serial Ports (RS485)	Setup：Wall-Hanging（HUB2004-ARM-B） Guide Way（HUB2004-ARM）
Flash：256M	Temperature：-30～75℃（working） -40～85℃（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)

Application Principle Diagram

Product Size
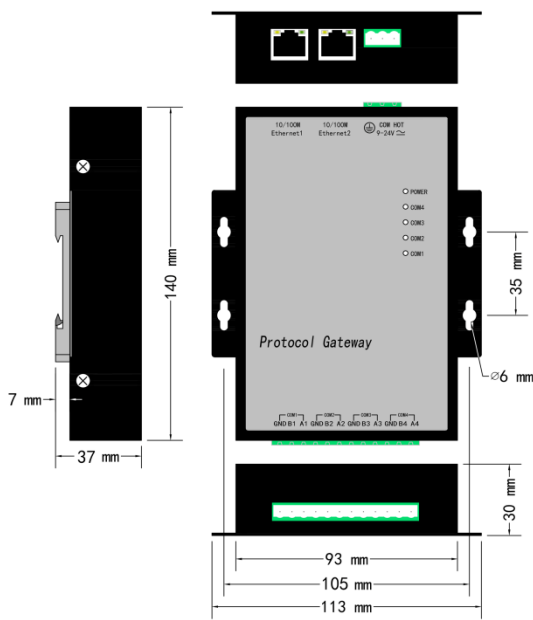
HUB2004-ARM （ Wall-Hanging / Guide way）

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

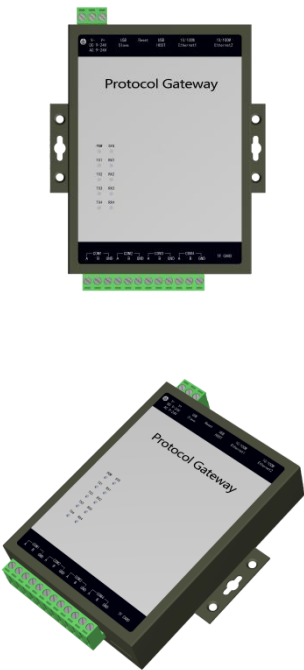Browser： IE9（and above） 、Safari、Google Chrome、firefox、Opera etc.

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)

HUB1002-ARM

HUB2004-ARM

HUB2004-A9

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

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℃(working) -40～85℃(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

HUB2004-ARM

HUB2004-A9

Application Principle Diagram
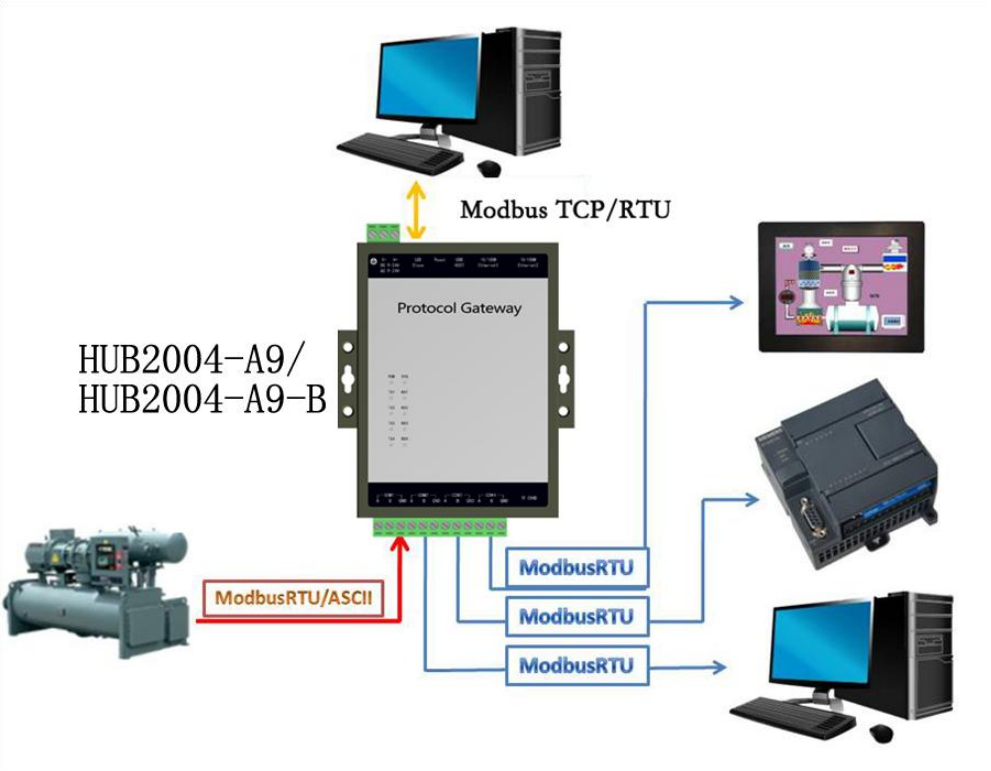
Product Size
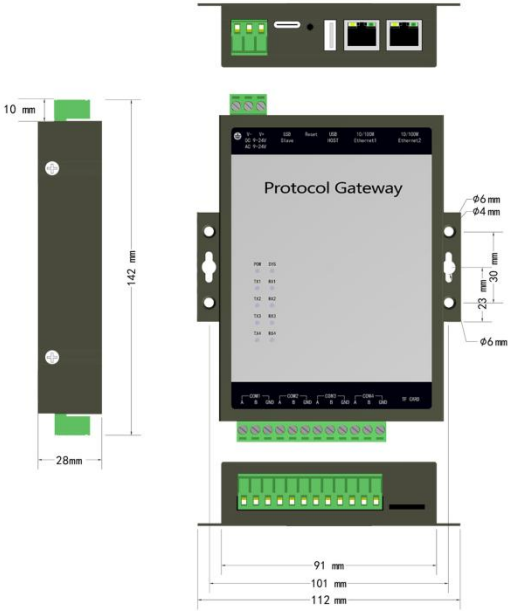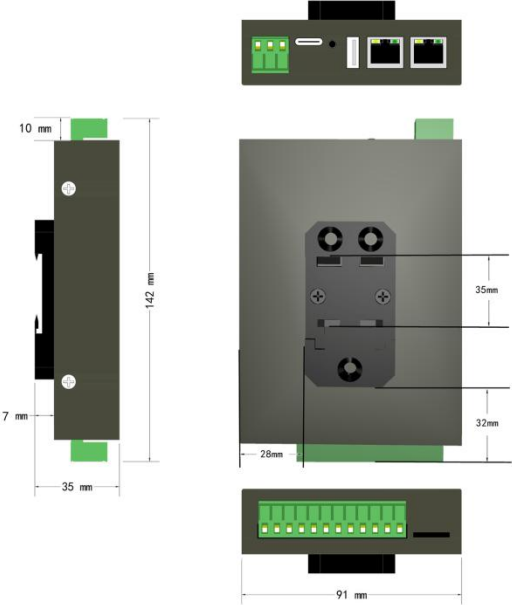
HUB2004-A9-B（Wall-Hanging）   HUB2004-A9（Guide Way）

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