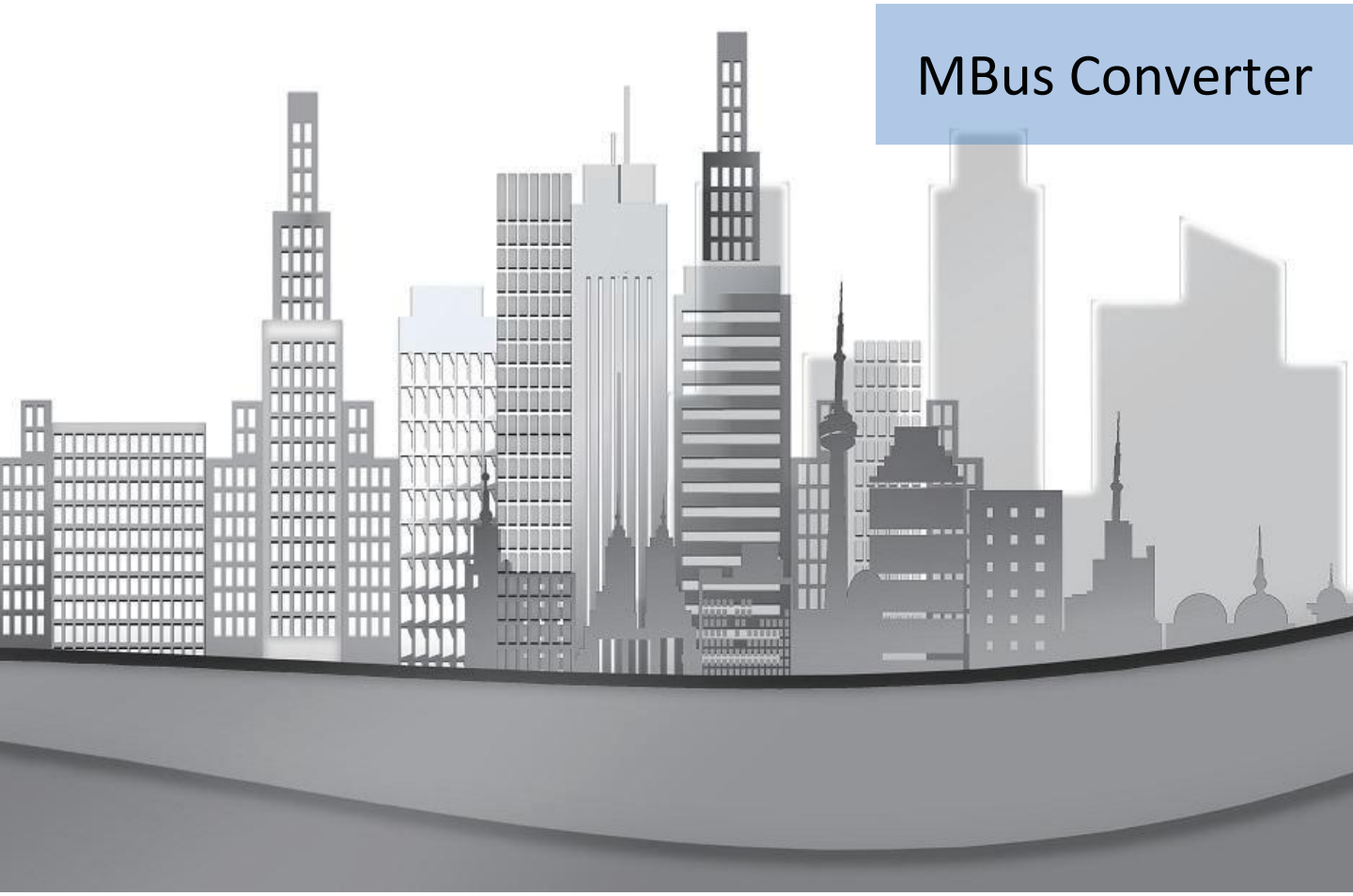
XINGHANG

Product Catalogue

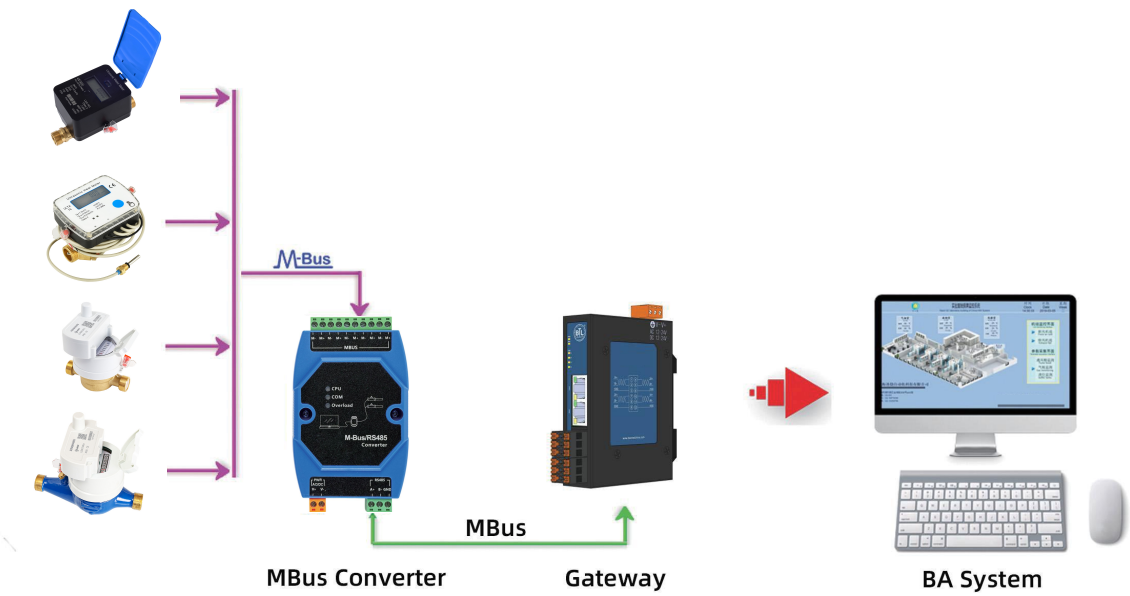
MBus Converter



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MBus Convertor		
1	XH1005-MBus	3

Connect to the instrument MBus bus through the MBus interface, and then convert it to RS485 level mode, allowing the PC upper computer or serial device to access the terminal instrument.



Product Model： XH1005-MBus

Product Description：

Sunfull MBus Converterconnects to the MBus of instruments through the MBus port, then converts to RS485 levels, allowing the PC upper computer or serial port device to access terminal equipment.



Product Performance

1. Transparent hardware transparent transmission, zero signal delay, stable and reliable transmission performance;
2. Industrial grade materials, original imported chips, complete SMT processing;
3. Standard industrial Adam objects, easy and quick Installation with rails;
4. Supports full range of baud rate, automatic adaptation without configuration;
5. Complete overload and short circuit protection circuit, anti-surge circuit to protect your computer;
6. Indicators available for power, communication and overload, clear indication of data flow.

Hardware Parameters

Description	XH1005-MBus
RS485 :	A+/B- signal line isolating RS485 communication (Electromagnetic isolation)
MBus Connecting Wires:	5 sets of MBus+ and MBus-（a maximum of 32 devices each set）
MBus Static Voltage:	20V-24V DC
MBus Sending End Voltage:	30V-36V DC
Power Supply:	AC/DC 24V. Power:36W
Communication Baud Rate:	600-9600bps, self-adaptive flow control
Load Capacity:	200 Standard Loads（1.5 mA）
Demensions (L×W×H):	123*72*44 mm
Working temperature and humidity:	-10-70℃，5%~95% no condensation
Weight:	150g
Installation:	DIN-Rail

1. Connect moduleDC+ and DC- to positive and negative power supply respectively, the power indicator (green) will flash; then connect the A+ and B- of the external 485 with the 485+ and 485- of the module.

2. Connect any MBus+ and MBus- from the 10pin wire connector of the module to the two wires of the instrument, no distinction of positive and negative.

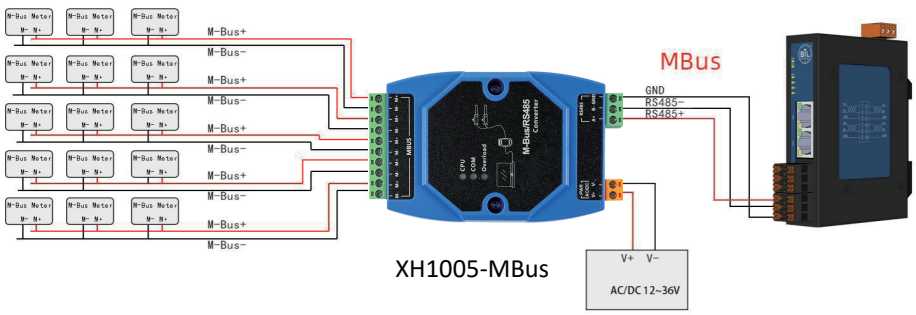
Description for Indicators:

Indicators	Description
1. Power Supply Indicator	The power supply indicator (green) flashes when the module is connected to power. If the light goes off, the module is not working properly and the power supply must be disconnected.
2. Communication Indicator	The indicator (green) flashes when downlinking data (the computer sends data to instrument), and it goes off when data is sent; when the green indicator is on without data transmission, it indicates that the module is not working properly. The indicator (green) flashes when uplinking data (instrument sends back data to the computer), and it goes off when data is sent; when the green indicator is on without returning data, it indicates that the instrument is not working properly or line failure.
3. Overload Indicator	When MBus is short-circuit or overload, the indicator (red) will be on constantly and the module will enter the protection state. Disconnect the loads and the module will recover automatically.

Troubleshooting for Common Problems：

Problems	Options
1. Power indicator does not light up after connecting to the power supply	Check if the contact of power supply port is reliable.
2.Green communication indicator does not flash when downlinking data	Check if the USB port is selected correctly and if the driver is installed correctly.
3. Green communication indicator is constantly on or flashes when there is no data transmission	The module is malfunctional, please contact the manufacturer for repair.

Wiring Diagram



XH1005-MBus