

PRODUCT INTRODUCTION

LM Router201-B provides 2 RS-485 serial ports and 1 10/100 Mbps Ethernet ports. Supports independent routing between BACnet IP and BACnet MS / TP networks, completes configuration through Web pages, and provides a complete BACnet network interconnection solution.



HARDWARE SPECIFICATION

LM Gateway201 Hardware parameters:	
CPU	ARM926EJ,clocked at 300MHz
RAM	64MByte high performance memory
Nand Flash	128MByte SLC Flash
Serial port	2 fully isolated RS485 interface
Network port	1 100M/10M Ethernet interface
Power supply	DC9V~36V
Total Weight	170g
Enclosure rating	IP51
Installation size	130mm×109mm×35mm (L×W×H)
Mechanical installation	DIN rail card slot fixing
LM Gateway201 Environmental parameters:	
Power consumption	The maximum power consumption of the motherboard is ≤3W
Operating temperature	-40~80℃
humidity	20 to 90% non-condensing

INTERFACE DEFINITION

1. POWER

SIGNAL	DESCRIPTION
Vin+	Power supply
Vin-	Negative power supply
E	Safety ground

2. DC seat, 5.5*2.1mm

In an environment with poor power quality, it is recommended to use a switching power supply to effectively improve the gateway's anti-interference ability.

3. Network port

- 10/100M high speed adaptive network card;
- It adopts dual-level lightning protection and anti-static protection to resist 2KV lightning strikes;
- Unique MAC address

LAN	IP	Subnet mask
Eth0	192.168.1.233	255.255.255.0

4. CON

PIN	SIGNAL	DESCRIPTION
1	COM1-A	RS485-1 Positive signal
2	COM1-B	RS485-1 Negative signal
3	COM1-GND	Signal ground
4	COM1-TX	RS232-1 Signal sender
5	COM1-RX	RS232-1 Signal receiving
6	COM2-A	RS485-2 Positive signal
7	COM2-B	RS485-2 Negative signal
8	COM2-GND	Signal ground
9	COM2-TX	RS232-2 Signal sender
10	COM2-RX	RS232-2 Signal receiving

RS485:

- Fully isolated RS485 interface with three levels of protection;
- Supports the highest level of 4KV protection for the 10/700uS test in the GB/T 17626.5-2008 standard;
- ±15kV human body discharge mode;
- ±15kV IEC1000-4-2 air gap discharge;
- Communication parameters can be configured, default communication parameters: 9600, 8-1-N.

5. LED

PIN	MARK	DESCRIPTION
1	POWER	Power indicator, the light is on
2	SYS	System operation indication
1	TX1-2	Serial port send indication
2	RX1-2	Serial port receiving indication

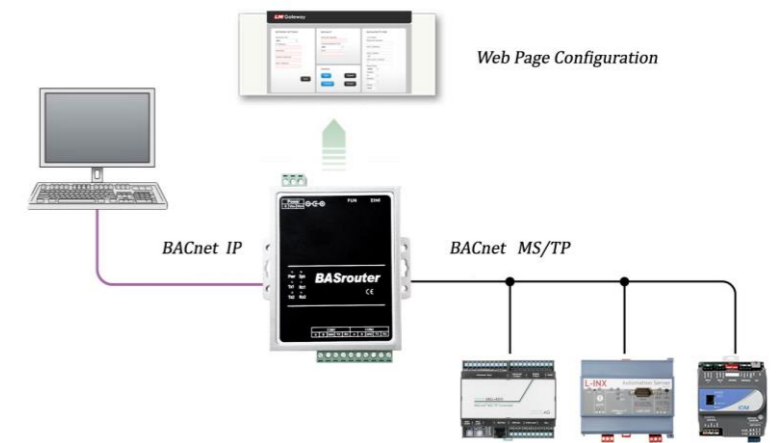
FEATURES

- Achieve transparent transmission between BACnet MS / TP bus and BACnet IP.
- Suitable for Johnson Controls, Siemens, Honeywell, Delta, Schneider and domestic series DDC, Siemens VAV controller and other MSTP bus integration.
- Program upload and download of BA system software to DDC equipment
- Support 2 MSTP buses at the same time, optically isolated MS / TP port; baud rate is 9.6-115.2kbps;
- The configuration is completed through the web page, and the user operation is very convenient
- 10/100 Mbps Ethernet, with adaptive and Auto-MDIX (Auto Line Sequence Crossover) functions;

APPLICATION

BACnet router is a common equipment of building automation system based on BACnet protocol. It is used to implement communication routing function between BACnet IP network and BACnet MS / TP bus, to achieve mutual access and seamless connection between BACnet IP network and field BACnet MS / TP bus. It can realize the function of uploading and downloading the program of DDC equipment by BA manufacturers. The BACnet router is more user-friendly in terms of site adaptability and debugging

convenience, and fully meets the technical requirements of the engineering site BACnet MSTP equipment to easily access the BACnet IP network. It is a necessary networking device for building automatic control systems.



CONFIGURING THE GATEWAY

1. Power the gateway;
2. Use a crossover network cable to connect the LM Router414-B to a computer or switch; (note that the gateway and the computer are in the same network segment);
3. Enter the factory default IP and address of the gateway in the browser. The factory default IP address of eth0 is 192.168.1.233. Complete the Router series configuration

CONTACT US

Huangshan Luomi Measurement and Control Technology Co., Ltd.
Sun Chen
+86 18049040679
1926608609@qq.com

