

BAC1002-Lite

BACnet Gateway Model:BAC1002-Lite(Guide Way) BAC1002-Lite-B(Wall-Hanging)

Function :

BAC1002-Lite is a economical hardware gateway with 1ethernet and 2serial ports for Modbus device only. All devices supported standard Modbus , or some non-standard Modbus protocol can be converted by BACnet hardware Gateway into standard BACnetIP, enable users can read&write Points in Modbus device by BACnet system.

Application :

BACnet Gateway can convert standard Modbus or some non-standard Modbus into BACnet IP. BACnet Gateway have solved the problem that some large BA Company can't connect any uncommon devices. BACnet system can control uncommon devices by BACnet gateway.

BA Controls :

Honewell (EBI, Niagara) , Siemens (Insight) , Johnson Controls (Metasys) , Schneider Electric (TAC) 、 Delta (ORCAview)

Uncommon Devices :

PLC、 Air conditioner、 Elevator、 fire control、 light control、 smart ammeter、 watermeter

Runtime environment :

OS : Windows XP/Win 7/Win8/Win10/Win Server 2003/Win Server2008/Win Vista etc.

Browser : IE11 (and above) 、 Safari、 Google Chrome、 firefox、 Opera etc.

Register Type&Num

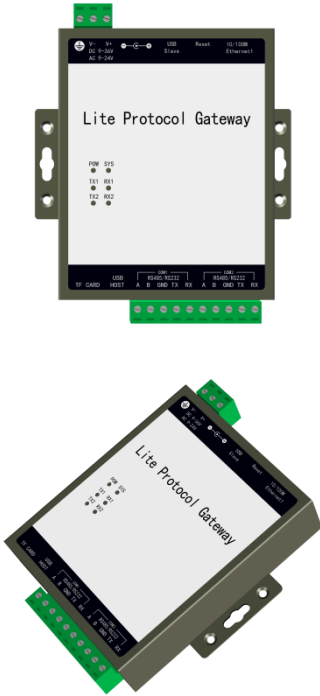
Number of Registers is dynamic, each register can be builded up to 256 points.

| BACnet Register Types | BACnet Registers |
|-----------------------|------------------|
| AI (Read only) | 256 (0~255) |
| AO (Read & Write) | 256 (0~255) |
| AV (Read & Write) | 256 (0~255) |
| BI (Read only) | 256 (0~255) |
| BO (Read & Write) | 256 (0~255) |
| BV (Read & Write) | 256 (0~255) |
| MI (Read only) | 256 (0~255) |
| MO (Read & Write) | 256 (0~255) |
| MV (Read & Write) | 256 (0~255) |

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Software Features :

- Green software and Free Installation;
- Convert standard Modbus or some non-standard Modbus into BACnet IP server;
- browser, set up and monitor by WEB;
- Line convert, fetch bit , Highbyte & Lobyte convert;
- Internal variable can check device online & offline status;
- 9 Register types (AI、 AO、 AV、 BI、 BO、 BV、 MI、 MO、 MV) ;
- Friendly software configuration tool , complete 256 points in 10m;
- new Protocol can be completed in 2 weeks;

Hardware Parameter :

CPU : 240MHz

POWER : AC/DC 24V

Memory : 32M High performance memory

Size(L×W×H) : 129*109*27mm(Wall-Hanging)
129*86*34mm(Guide Way)

System : LINUX

Weight : 200g

Watts : 5W

Material : Aluminum Cover

Interface : 1Ethernet
2Serial Ports (RS485 & RS232)

Setup : Guide Way (BAC1002-Lite-B)
Wall-hanging(BAC1002-Lite)

Flash : 128M

Temperature : -40 ~ 85°C(working)
-40 ~ 85°C(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)

BAC1002-Lite

BAC1002-ARM

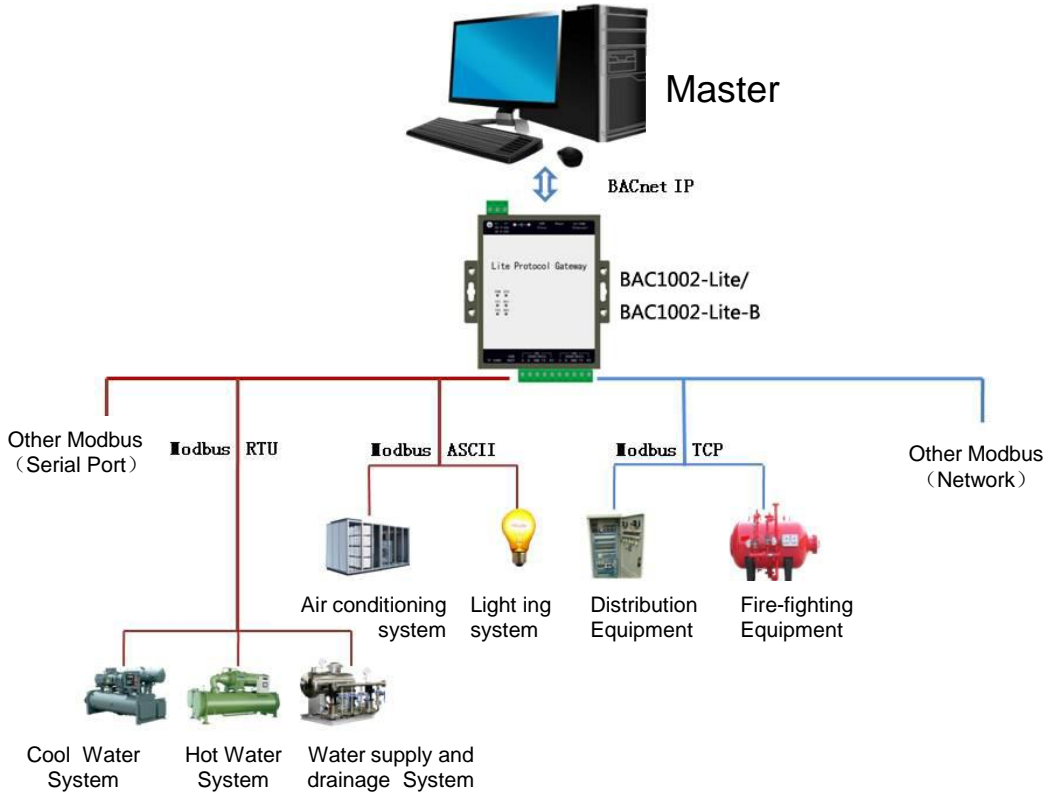
BAC2004-Lite

BAC2004-ARM

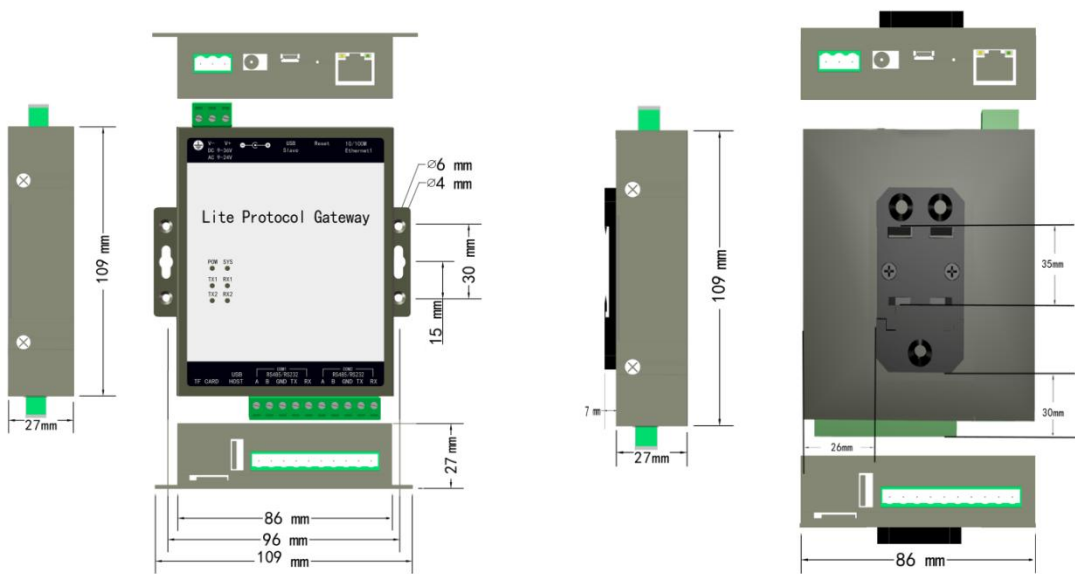
BAC2004-A9

BAC1022-1U

Application Principle Diagram



Product Size



BAC1002-Lite-B(Wall-Hanging)

BAC1002-Lite(Guide Way)