

## Feature

HDL-BN-4096 Bacnet server , DIN-Rail Mount, Bus and Ethernet enabled, build in the BacNet protocol to allow BA and BMS system to monitor and control HDL system via BacNet protocol, like lighting, HVAC, Curtain, floor heating ,and so on.

- Bidirectional data exchange between HDL-Bus and Bacnet.
- Intelligent data exchange , minimize data traffic.
- One module can be configured to 150 objects.
- communication : HDL-Bus、bacnet

## Important Notes

- Bus cable– CAT5E or HDL Bus/KNX Cable, 0.8mm Single Core Copper cable
- Bus Connection - Recommend connection of Bus wire hand by hand
- Make sure that MAC and IP address of all IP devices are unique in same network .
- Need cross Cable for RJ45 port connection

## Product Specification

- Working Voltage : DC12-30V
- BUS Power Consumption : 75 mA/DC24V
- RJ45 Connection : RJ45- UDP/IP network Interface
- Dimension : 72mm×90mm×66mm
- Installation : Standard 35mm DIN Rail
- CE Certification
- Working Temperature : 0~45°C
- Working Relative Humidity : 20%~90%
- Storage Temperature : -40°C~+55°C
- Storage Relative Humidity : 10%~93%
- Protection : IP20

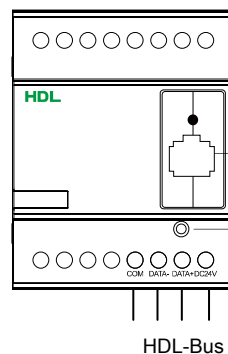
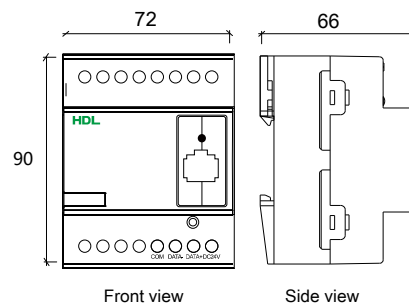


## Safety Attention

- Screw down strength is less than 0.4Nm
- Do not make wrong connection on Bus interface, it will damage the Bus interface this module
- Do not get AC240V voltage into Bus wire , it will damage all of devices in system
- Assure a good ventilation circumstances
- Rain, liquid, and aggressive gas are not allowed to close to it

## Type

HDL-BN-4096



RJ45 connection :  
UDP/IP interface

Button and Indicator : Flickering in green color when the module is working fine.

Keep pressing for 10S, it turns to red color, the module will be restored into default setting from factory.

Default setting parameters :

IP : 192.168.10.250

ROUTER IP : 192.168.10.1

Port : 6000

## Setting of Network Parameter :

The Bacnet Aircon server has a default IP-192.168.10.250 and 6000 for port. Please change the user PC IP address into a same IP segment.

Steps for change IP address :

1. Modify the IP address of the User PC into 192.168.10.\*\* ( \*\* means any ) .
2. Open the “HDL-Bus Pro Set Up tool” , find the device , change the IP address into a same IP segment of the user PC. Finish and save.
3. Change the IP address of the user PC back to previous IP.
4. Power the device off, then the new IP address will be available after power on.

## HDL-Bus Definition for cable

CAT5/CAT5E	Bus	HDL Bus/KNX Cable
Brown White/ Orange White	COM	Black
Blue white/ Green White	DATA-	White
Blue/Green	DATA+	Yellow
Brown/Orange	DC24V	Red