**Parameters**

**Electrical Parameters:**
- Working voltage: DC15~30V
- Buspro power consumption: 40mA/DC24V
- Signal interface: HDL Buspro, RJ45
- RJ45 connection: RJ45-UDP/IP network interface

**Environmental Conditions:**
- Working temperature: -5℃~45℃
- Working relative humidity: Up to 90%
- Storage temperature: -20℃~+60℃
- Storage relative humidity: Up to 93%

**Approved**
- CE
- RoHS

**Product Information:**
- Dimensions: 72×90×66 (mm)
- Weight: 124g
- Housing material: Nylon, PC
- Installation: 35mm DIN rail installation
- Protection degree: IP20

### HDL Buspro Definition for Cable

<table>
<thead>
<tr>
<th>CAT5/CAT5E</th>
<th>HDL Buspro</th>
<th>HDL Buspro/KNX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown/ Orange</td>
<td>DC24V</td>
<td>Red</td>
</tr>
<tr>
<td>Brown white/ Orange white</td>
<td>COM</td>
<td>Black</td>
</tr>
<tr>
<td>Blue white/ Green white</td>
<td>DATA-</td>
<td>White</td>
</tr>
<tr>
<td>Blue/ Green</td>
<td>DATA+</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

### Important Notes
- Buspro cable – CAT5E or HDL Bus/KNX cable.
- Buspro Connection – Series connection (hand-in-hand).
- Make sure that MAC and IP address of all IP devices are unique in the same network.
- Installation - DB box.

### Overview

**HDL-MBUS01IP.431**

1-port IP interface is the gateway between HDL Buspro system and Ethernet. It can realize the bidirectional data transmission between HDL Buspro and Ethernet.

### Functions
- Bidirectional data exchange between HDL Buspro and Ethernet.
- Supports local control, p2p control, remote control (local control by default), local network.
- Allows maximum 4 devices to connect this module for remote control, such as iPad, iPhone, Touchlife, HDL Buspro software and so on.
- Intelligent data exchange, minimize data traffic.
- Communication: HDL Buspro, IP network.

### Installation Step
- 35mm DIN rail installation, inside DB Box.
- Connect HDL Buspro cable, RJ45 cable.
- Check the connection, avoid any mistakes.
**Dimensions and Wiring**

**Side view**

- **Dimensions:**
  - Width: 72 mm
  - Height: 90 mm
  - Depth: 66 mm

**Front View**

- **RJ45 connection:** UDP/IP interface

**Setting of Network Parameter:**

1-port IP interface has a default IP-192.168.10.250 and 6000 for port. Please change the user PC IP address into the 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 Buspro Set Up tool", find the device, change the IP address into the 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.

**Safety precaution**

- The screw down strength should not exceed 0.4Nm
- Installation Position: Distribution box (DB)
- Do not make wrong connection on Buspre interface, it will damage the Buspro interface of this module
- Never let liquids get into the module, it will damage this device
- Do not get AC power into Bus wire, it will damage all devices in the system
- Avoid contact with liquids and aggressive gases

**Packing List**

- Datasheet*1 / MBUS01IP.431 *1

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**Button and indicator:** Flickers in green when the module is working properly.

Keep pressing for 10S, it turns to red, 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