The Anybus X-gateway IIoT allows you to seamlessly connect PLC control systems and their connected devices on industrial networks, to IT and IoT-systems supporting OPC UA or MQTT. The X-gateway IIoT receives cyclic I/O data from your industrial network, converts it to well identified, tagged datapoints and transmits it via OPC UA or MQTT.

**Features and Benefits**

**OPC UA**
- Support OPC-UA server micro embedded profile
- Supports Discovery Services
- Timestamp supported via discovery server
- Supports OPC DA (data access)
- Data direction from server to client only
- User name and password authentication
- Supports DataChange Subscription
- Maximum 80 data point tags
- Dual port cut-through switch
- Dual RJ-45 ports available simultaneously

**MQTT**
- MQTT client acting as publisher
- MQTT version 3.1.1 supported
- Json data encoding supported
- QoS 0-2 supported
- User name and password authentication
- Maximum 256 data point tags
- Dual port cut-through switch
- Dual RJ-45 ports available simultaneously

**Easy Configuration**

The configuration is made using the Anybus Configuration Manager. You install this Windows tool on your PC and connect the included USB cable to the configuration port of the X-gateway. The Anybus Configuration Manager X-gateway is available at www.anybus.com

The easy-to-use Anybus Configuration Manager X-gateway allows you to define the I/O data sizes on each network side and define tag mapping to the IIoT side.
## TECHNICAL SPECIFICATIONS

### Technical Details

<table>
<thead>
<tr>
<th>Standard</th>
<th>Weight</th>
<th>Dimensions (L-W-H)</th>
<th>Protection class</th>
<th>Enclosure material</th>
<th>Mounting</th>
<th>Mounting position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>400 g, 0.880 lb</td>
<td>114-44 x 127 mm, 4.49 x 5.00&quot;</td>
<td>IP20, NEMA rating 1</td>
<td>Aluminum and plastic</td>
<td>DIN rail (35-5/15)</td>
<td>Vertical position</td>
</tr>
</tbody>
</table>

### Electrical Characteristics

- **Power**: 24 VDC +/- 20%
- **Current consumption**: Max 40mA at 24VDC, Typical 200 mA at 24VDC
- **Reverse voltage protection**: Yes
- **Short-circuit protection**: Yes

### Environmental Characteristics

- **Operating temp**: -25 to 65 °C, -13 to 149 °F (for all other networks)
- **Storage temp**: -40 to 55 °C, -40 to 131 °F (only for Profinet IRT Fibre Optic)
- **Relative Humidity**: 5-95 % non condensing
- **Installation altitude**: Up to 2,000 m

### Immunity and Emission for Industrial Environment

- **Electromagnetic discharge**: <= 4 kV
- **Electromagnetic RF Field**: 10 V/m 80 MHz - 1 GHz, 3 V/m 1.4 GHz - 2.0 GHz, 1 V/m 2.0 GHz - 2.7 GHz
- **Surge protection**; <= 1 kV
- **RF conducted interference**: 10 V/m
- **Emission**; (at 3 m) 50 dB 30 MHz - 1 GHz, 1 V/m 2,0 GHz - 2,7 GHz, 3 V/m 1,4 GHz - 2,0 GHz

### Single Pack Accessories

- Configuration Cable (USB) • Installation sheet

## NETWORK SPECIFIC FEATURES

### MASTER

- **ASI**: 1 = 2 Mbps, 2 = 1 Mbps, 3 = 2 Mbps (digital input/output) 4 = ASI version 3.0 5 = 62
- **DeviceNet**: 1 = 1 Mbps, 2 = 10/100 Mbps, 3 = 10 Mbps
- **EtherCAT**: 1 = 1 Mbps, 2 = 10/100 Mbps, 3 = 1 Mbps, 5 = 62
- **PROFINET**: 1 = 125 byte input/OUT, 2 = 100 Mbps, 3 = 125 byte input/OUT, 4 = Profibus DP (IEC 61158) 5 = 125

### SLAVE

- **CANopen**: 1 = DSUB9M, 2 = 10/100 Mbps, 3 = 512 byte input/OUT, 4 = Communications adapter, profile n. 12
- **EtherCAT**: 1 = 1 Mbps, 2 = 10 Mbps, 3 = 1 Mbps, 5 = 10/100 Mbps
- **EtherCAT**: 1 = 1 Mbps, 2 = 10/100 Mbps, 3 = 512 byte input/OUT, 4 = Communications adapter, profile n. 12
- **EtherCAT**: 1 = 2 Mbps, 2 = 10 Mbps, 3 = 512 byte input/OUT, 4 = Profibus DP (IEC 61158)
- **IP-Hand**: 1 = 1 Mbps, 2 = 10 Mbps, 3 = 512 byte input/OUT, 4 = Communications adapter, profile n. 12

## HMS Industrial Networks – Worldwide

- **HMS - Sweden (HQ)**  
  Tel: +46 35 37 29 00 (Halmstad HQ)  
  E-mail: sales@hms-networks.com

- **HMS - Finland**  
  Tel: +358 404 567 381  
  E-mail: sales@hms-networks.com

- **HMS - Germany**  
  Tel: +49 721 98977-000  
  E-mail: ge-sales@hms-networks.com

- **HMS - China**  
  Tel: +86 010 8532 3183  
  E-mail: sales@hms-networks.com

- **HMS - India**  
  Tel: +91 83800 66578  
  E-mail: in-sales@hms-networks.com

- **HMS - Energy**  
  Tel: +358 404 567 381  
  E-mail: in-sales@hms-networks.com

- **HMS - United States**  
  Tel: +1 312 829 0601  
  E-mail: us-sales@hms-networks.com

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