The Anybus X-gateway for Modbus-TCP makes it possible to connect Modbus-TCP devices to almost any other PLC system.

The X-gateway provides Modbus-TCP client (master) connectivity to all major fieldbus and industrial Ethernet networks and is easily configured and installed. No programming required!

**Easy configuration**

Configuration is made over Ethernet via a built-in web page. The configuration page is used to configure Ethernet TCP/IP settings, Modbus-TCP client configuration and I/O data register mapping between Modbus-TCP and the chosen network.

The uplink fieldbus or Ethernet slave interface to the PLC is configured with a standard device description file (GSD/EDS) in the PLC engineering tool.

**Easy Replacement™**

The X-gateway is equipped with an SD memory card slot for Easy Replacement and with configuration copy and backup. If required field replacement can be made without connecting a PC and with no specialist help, by simply moving the SD memory card.
## TECHNICAL SPECIFICATIONS

### X-gateway Modbus-TCP Client/Master

- **Max amount of slaves**: 64
- **Network connector**: 2*RJ45
- **Baud rate**: 10/100 Mbit/s
- **IO data**: 256 bytes IN/OUT
- **Supported Modbus-TCP functions**: 1, 2, 3, 4, 5, 6, 10, 16, 23
- **Technical Details**

<table>
<thead>
<tr>
<th>Weight</th>
<th>160 g ± 0.35 lb</th>
</tr>
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<tbody>
<tr>
<td>Dimensions (LxWxH)</td>
<td>110x30x101 mm, 4.33x1.18x3.98&quot;</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP20, NEMA rating 1</td>
</tr>
<tr>
<td>Enclosure material</td>
<td>PC ABS, UL 94 V0</td>
</tr>
<tr>
<td>Installation position</td>
<td>Horizontal</td>
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<tr>
<td>Mounting</td>
<td>DIN rail (35•7,5/15) or Wall Mount</td>
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### Certifications

- **UL File number**: E203225
- **Hazardous Locations**: CLASS 1, DIVISION 2, GROUPS A, B, C AND D, T4
- **ATEX Zone 2, Cat 3**
- **CE 2004/108/EC**

### Electrical Characteristics

- **Power**: 24 VDC +/- 10 %
- **Current consumption**:Typical 150 mA @ 24 V

### Hardware Characteristics

- **Reverse voltage protection**: Yes
- **Short circuit protection**: Yes
- **Galvanic isolation on subnetwork**: Yes

### Environmental Characteristics

- **Operating temp**: 25 to 70 °C, -13 to 158 °F
- **Storage temp**: -40 to 85 °C, -40 to 185 °F
- **Relative Humidity**: 95 % non condensing
- **Installation altitude**: Up to 200 m

### Immunity and Emission for Industrial Environment

- **Electrostatic discharge**: ± 4 kV
- **Electromagnetic RF fields**:
  - 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
- **Fast Transients**: ± 1 kV
- **Surge protection**: ± 1 kV
- **RF conducted interference**: ± 20 V
- **Emission (at 10 m)**:
  - ± 25 dB 30 MHz - 230 MHz
  - ± 47 dB 30 MHz - 1 GHz

### Insulation, transient voltage (not for personal safety)

- **Power to PE**: 1500 V
- **Power to X1**: 2500 V
- **Power to X2**: 1500 V
- **X2 to PE**: 500 V
- **X2 to Shields**: 500 V
- **X2 to X2 Shields**: 500 V
- **X1 to X2**: 500 V

### Single Pack Accessories

- Resource CD
- Installation sheet

### Additional Information

- **Max amount of slaves**: 64
- **Network connector**: 2*RJ45
- **Baud rate**: 10/100 Mbit/s
- **IO data**: 256 bytes IN/OUT
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