Modbus gateway

With the Anybus Modbus gateway, you can connect Modbus RTU devices to Modbus-TCP networks. The gateway works as a translator (router) between the two networks allowing up to 32 Modbus RTU devices to be connected to a Modbus-TCP network. The gateway features a Modbus-TCP Server functionality and internally performs a transparent conversion between the Modbus-TCP and Modbus RTU protocols.

Typical Industries

In short
A transparent protocol converter between Modbus RTU and Modbus-TCP.

Order code: AB7702

Configuration
Configuration is easily done via the built-in web server. Just start a web browser and type in the IP number of the gateway (you can set the IP address of choice with the accompanying Anybus IP Config software).

A self-instructive menu system will appear for device settings, diagnostics and troubleshooting.

Features and benefits
- Simple way to transmit I/O data between Modbus RTU and Modbus-TCP.
- Function as a Modbus-TCP Server routing the Modbus-TCP client queries to Modbus-RTU and back.
- Proven and trusted in thousands of Modbus applications.
- Completely transparent data transfer giving users a lot of flexibility when doing system integration.
- Serial port (RS232/RS485) and Ethernet port (10/100 Mbit).
- Connect up to 32 Modbus RTU slaves.
- Digital inputs accessible from Modbus-TCP client 10-24 VDC.
- Very simple configuration (node address, IP-address etc).
- DIN-rail mountable.
- UL and cUL (E325816).
- CE marked.
- Global free technical support and consultancy.

Configure quickly and easily via a built-in web page.

HMS provides a full 3 year product guarantee

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**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Technical Details</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (LxWxH)</td>
<td>90mm • 70mm • 58 mm</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP20</td>
</tr>
<tr>
<td>Enclosure material</td>
<td>Plastic</td>
</tr>
<tr>
<td>Baud rate</td>
<td>300 - 115200 bit</td>
</tr>
<tr>
<td>Protocols</td>
<td>Modbus RTU, Modbus ASCII, Modbus-TCP/IP</td>
</tr>
<tr>
<td>Mounting</td>
<td>DIN rail (35•7,5/15)</td>
</tr>
</tbody>
</table>

**Certifications**

- UL File number: E214107
- UL 508 Ind. Cont. Eq.
- CE 2004/108/EC
- EN61000-6-4
- EN61000-6-2

**Electrical Characteristics**

- Power: 9-24V AC/DC (2W)
- Current consumption: 2 W

**Hardware Characteristics**

- Reverse voltage protection: Yes
- Short circuit protection: Yes

**Environmental Characteristics**

- Operating temp: -40 to 65 °C

**Serial Interface**

9-pin DSUB RS232

**Ethernet**

RJ45 10/100Mbit

**Status LEDs**

- Interface connectors

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**HMS Industrial Networks – Worldwide**

- **HMS - Sweden (HQ)**
  Tel: +46 35 17 29 00 (Halmstad HQ)
  E-mail: sales@hms-networks.com

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

- **HMS - France**
  Tel: +33 368 368 034 (Mulhouse office)
  E-mail: fr-sales@hms-networks.com

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

- **HMS - India**
  Tel: +91 83800 86578
  E-mail: in-sales@hms-networks.com

- **HMS - Italy**
  Tel: +39 639 59662 27
  E-mail: it-sales@hms-networks.com

- **HMS - Japan**
  Tel: +81 45 478 5340
  E-mail: jp-sales@hms-networks.com

- **HMS - Switzerland**
  Tel: +41 61 511342-0
  E-mail: sales@hms-networks.ch

- **HMS - UK**
  Tel: +44 1926 405599
  E-mail: uk-sales@hms-networks.com

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

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