

Anybus Modbus RTU to TCP Gateway

Item number: AB7702-B

The Anybus Modbus RTU to TCP Gateway enables you to connect any Modbus RTU device to Modbus TCP control systems. 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.



A protocol converter that connects Modbus RTU devices to Modbus TCP control systems

Features and benefits

- ✓ **Transparent conversion**
The gateway provides Modbus-TCP Server functionality with seamless internal conversion between Modbus-TCP and Modbus RTU, offering flexible system integration.
- ✓ **Modbus-TCP server functionality**
Function as a Modbus-TCP Server routing the Modbus-TCP client queries to Modbus-RTU and back.
- ✓ **Connectivity options**
Serial port (RS232/RS485) and Ethernet port (10/100 Mbit).
- ✓ **Digital inputs accessibility**
Digital inputs accessible from Modbus-TCP client.
- ✓ **Trusted partner**
Anybus has a long history of working with all the major network organizations to ensure compliant, high-performing, and compatible products.
- ✓ **Easy web-based configuration**
Configuration is straightforward via the built-in web server with a user-friendly menu for settings, diagnostics, and troubleshooting.
- ✓ **Proven reliability**
Proven and trusted in thousands of Modbus applications.
- ✓ **Modbus RTU master capabilities**
Modbus RTU Master functionality connecting up to 32 Modbus RTU slaves.
- ✓ **Technical support**
Global free technical support and consultancy.
- ✓ **Life cycle management**
HMS maintains every part of the gateway, including network updates, throughout the product's lifecycle.



General

Net Width (mm)	57.7
Net Height (mm)	86
Net Depth (mm)	70
Net Weight (g)	600
Packed Width (mm)	17
Packed Height (mm)	10
Packed Depth (mm)	20
Packed Weight (g)	1200
Operating Temperature °C Min	-40
Operating Temperature °C Max	65
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	5-95% non condensing
Current Consumption Type Value at Vcc Nom (mA)	70mA @ 24V DC (1.7W)
Current Consumption Max value at Vcc nom (mA)	80mA @ 24V DC (2W)
Input Voltage (V)	9-24V DC
Isolation	TRUE
Mounting	DIN-rail (EN 50022 standard)
Housing Materials	Plastic



General

Packaging Material	Cardboard
Warranty (years)	3

Identification and Status

Product ID	AB7702-B
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN) (Applies only to the U.S)	5A991.b.1

Physical Features

Contains Battery	No
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Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	TRUE
Product Certifications	CE, UL, WEEE, RoHS
UL Information	E214107: Ord.Loc UL 508, CSA C22.2 No. 142
Environment	EN 55011, EN 61000-6-2