

Anybus X-gateway IIoT – Modbus TCP Server - OPC UA-MQTT

Item number: AB7555-F

The Anybus X-gateway IIoT Modbus TCP Server to OPC UA-MQTT publishes process data from any Modbus TCP control system to OPC UA or MQTT information systems.



A protocol converter that connects Modbus TCP to OPC UA-MQTT information systems

Features and benefits

- ✓ **Fast streaming of industrial network data**
Enables the fast streaming of industrial network data into OPC UA and MQTT systems, supporting efficient data transfer.
- ✓ **Secure and isolated data flow**
The gateway ensures that networks and devices remain secure and isolated by controlling data flow through an independent device. This prevents unauthorized access while maintaining reliable communication between systems.
- ✓ **No PLC card slot needed**
The gateway does not use a card slot in the control system, leaving room for other equipment.
- ✓ **3-year warranty**
The gateway is designed to be robust and long-lasting. A 3-year guarantee is provided.
- ✓ **Trusted partner**
Anybus has a long history of working with all the major network organizations to ensure compliant, high-performing, and compatible products.
- ✓ **One-Way data transfer to OPC UA or MQTT**
The gateway transfers data to OPC UA or MQTT information systems, enabling integration with these platforms while ensuring a smooth, uninterrupted data flow.
- ✓ **Reach new markets**
Target new markets using different protocols without needing to change your hardware or software, thereby decreasing your time to market and development costs.
- ✓ **Slim hardware design**
The gateway is designed for IP20 and DIN-rail mounting, enabling you to install it with ease, close to connected devices, thereby reducing wiring requirements.
- ✓ **Easy configuration – No programming required!**
Quickly establish the connection between the two networks with the included Anybus Configuration Manager software. No programming skills are required for the setup process.
- ✓ **Life cycle management**
HMS maintains every part of the gateway, including network updates, throughout the product's lifecycle.

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General

Net Width (mm)	44
Net Height (mm)	127
Net Depth (mm)	114
Net Weight (g)	400
Packed Width (mm)	17
Packed Height (mm)	9
Packed Depth (mm)	19
Packed Weight (g)	600
Operating Temperature °C Min	-25
Operating Temperature °C Max	65
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Current Consumption Type Value at Vcc Nom (mA)	200mA @ 24V DC
Current Consumption Max value at Vcc nom (mA)	400mA @ 24V DC
Input Voltage (V)	24V DC (-20% to +20%)
Power Connector	2-pin, 5.08 Phoenix plug connector
Isolation	TRUE
Mounting	DIN-rail (EN 50022 standard)
Housing Materials	Aluminium, Plastic

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General

Packaging Material	Cardboard
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Identification and Status

Product ID	AB7555-F
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	5A991.b.1

Physical Features

Connectors / Input / Output	2xRJ45, 2xRJ45, USB-B Config port
Contains Battery	No

Modbus-TCP Features

Modbus-TCP Mode	Slave / Server
Modbus-TCP Supported Functionality	Modbus specification V1.0; Daisy chaining; QoS; Modbus TCP class 0, class 1 and partially class 2 slave functionality
Modbus-TCP Bandwidth	10/100 Mbit/s
Modbus-TCP Input Data Size	512 bytes
Modbus-TCP Output Data Size	512 bytes

Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	TRUE
CE	Yes
UL	Yes
UL Information	E214107: Ord.Loc UL508, CSA C22.2 NO. 142

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Certifications and Standards	
Environment	EN 61000-6-4, EN 55016-2-3 Class A, EN 55022 Class A, EN 61000-6-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6
Waste Certification (WEEE)	Yes
WEEE Category	IT and telecommunications equipment