

Anybus X-gateway IIoT – PROFIBUS Master - OPC UA-MQTT

Item number: AB7550-F

The Anybus X-gateway IIoT PROFIBUS Master to OPC UA-MQTT publishes data from any PROFIBUS device to OPC UA or MQTT information systems.



A protocol converter that connects PROFIBUS 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)	750
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	AB7550-F
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A991.b.1

Physical Features

Connectors / Input / Output	1x D-sub 9-pin male and 1x D-sub 9-pin female, 2xRJ45, USB-B Config port
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PROFIBUS Features

PROFIBUS Mode	Master
PROFIBUS Supported Functionality	PROFIBUS DP Master functionality according to IEC 61158;Acyclic Communication (DP-V1, Class 1 & 2);LiveList;ControlStatus
PROFIBUS Device Address	0-125
PROFIBUS No. Of Devices	125
PROFIBUS Baud Rate	9600 bit/s - 12 Mbit/s
PROFIBUS Input Data Size	512 bytes
PROFIBUS Output Data Size	512 bytes

Certifications and Standards

Protection Class IP	IP20
Recycle / Disposal	TRUE
UL Information	E214107: Ord.Loc UL508, CSA C22.2 NO. 142
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
WEEE Category	IT and telecommunications equipment