Anybus X-gateway IIoT – DeviceNet Adapter - OPC UA-MQTT



Item number: AB7559-F

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

A protocol converter that connects DeviceNet 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)	420
Packed Width (mm)	155
Packed Height (mm)	75
Packed Depth (mm)	200
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

Identification and Status

Product ID	AB7559-F
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

Connectors / Input / Output	2xRJ45, 1x 5-pin, 5.08 Phoenix plug connector, USB-B Config port
DIP & Rotary Switches	1x 8-dip switch DEV MacID + Baud rate
Contains Battery	No

DeviceNet Features

DeviceNet Mode	Adapter / Slave
DeviceNet Configuration File	EDS available
DeviceNet Baud Rate	125-500 kbit/s
DeviceNet Input Data Size	512 bytes
DeviceNet Output Data Size	512 bytes

Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	TRUE
Product Certifications	CE, UL, WEEE, RoHS
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
WEEE Category	IT and telecommunications equipment