



## Anybus X-gateway IIoT - PROFINET-IRT Device – OPC UA-MQTT

The Anybus X-gateway IIoT allows you to seamlessly inter-connect PLC control systems and their connected devices to the IIoT networks MQTT and OPC-UA.

### SAFE AND ISOLATED DATA MONITORING

The X-gateway IIoT's primary function is to allow the fast streaming of an industrial network into OPC-UA and MQTT. This offloads your PLC from working with additional services while providing extra security by isolated the high-risk connections away from sensitive areas. In principle, the PLC gets its own firewall.

### EASY CONFIGURATION - NO PROGRAMMING REQUIRED!

The connection between the two networks is quickly set up in the Anybus Configuration Manager software, included with the X-gateway. No programming skills are needed to set up the X-gateway.



## Features and benefits

- Supports OPC-UA micro-embedded profile
- Supports Discovery Services
- User name and password authentication
- Supports DataChange Subscription
- MQTT client acting as publisher
- Proven and tested with PLC's from all leading manufacturers
- Possibility to build web pages to display and control a factory floor

## PROFINET IRT Device/Slave interface

PROFINET IRT Device/Slave settings can be made either via the built-in web interface, or by importing the provided .GSDML file into engineering tool of the controlling PLC.

- Complete PROFINET RT and IRT functionality specification 2.3
- Conformance tested supporting Class A, B and C
- Max 512 bytes of Input and 512 bytes of Output data
- baud rate 10/100 Mbit/s Isochronous cycle times 0.25 to 4 ms (25 Us increments)
- SNMP-MIBII support

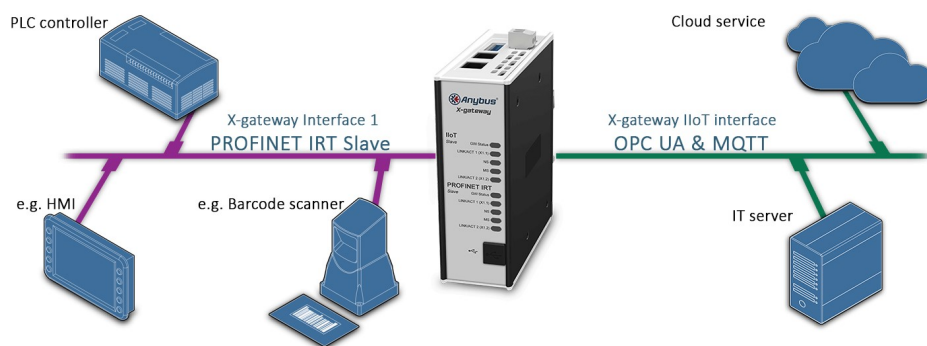
- TCP/IP Configuration via DCP (Discovery and Configuration Protocol)
- LLDP (Linked Layer Discovery Protocol)
- Support for I&M (Identification & Maintenance)
- PROFINET uplink configuration via .GSDML file
- Dual port cut-through switch
- Dual RJ-45 ports available simultaneously
- PROFINET Asset Management

### OPC UA

- Support for micro-embedded profile
- Data direction from server to client
- Supports Discovery Services
- Timestamp supported via discovery server
- User name and password authentication
- Supports DataChange Subscription
- Maximum 80 data point tags
- Dual port cut-through switch
- Dual RJ-45 ports available simultaneously

### MQTT

- MQTT client acting as publisher
- MQTT version 3.1.1 supported
- Json data encoding supported
- QoS 0-2 supported
- User name and password authentication
- Maximum 256 data point tags
- Dual port cut-through switch
- Dual RJ-45 ports available simultaneously



### TECHNICAL SPECIFICATIONS

#### Dimensions (L•W•H)

114 x 44 x 127mm or 4,49 x 1,73 x 5,00"

<b>Weight</b>	400g or 0,880 lbs
<b>Operating temperature</b>	-25 to +65 °C or -13 to +149 °F
<b>Storage temperature</b>	-40 to +85 °C or -40 to +185 °F
<b>Power supply</b>	24 VDC +/- 20% via 2-pole 5.08 mm Phoenix pluggable screw connector
<b>Current consumption</b>	max. 400mA (Typical 200mA)
<b>Enclosure material</b>	Aluminium and plastic
<b>Installation position</b>	Vertical / Flat*
<b>Galvanic isolation</b>	YES, on both BUS/Ethernet side
<b>Mechanical rating</b>	IP20, NEMA rating 1
<b>Mounting</b>	DIN-rail (EN 50022 standard)
<b>I/O configuration</b>	via USB port with Anybus Configuration Manager software
<b>Certifications</b>	CE, CULUS, RoHS

File	Version	Size	Read online
------	---------	------	-------------

## Ordering information

<b>Order Code</b>	AB7570
<b>Included components</b>	Gateway Quick start documentation USB configuration cable Power supply <b>not</b> included  Configuration and Anybus OPC server software is available for download.

3 year guarantee. For purchasing instructions and terms and conditions, see: [How to buy](#)

Copyright © 2020 HMS Industrial Networks - All rights reserved.