# Anybus X-gateway IIoT – CC-Link IE Field Slave - OPC UA-MQTT

**Item number: AB7557-F**

The Anybus X-gateway IIoT CC-Link IE Field Slave to OPC UA-MQTT publishes process data from any CC-Link IE Field control system to OPC UA or MQTT information systems.

*A protocol converter that connects CC-Link IE Field 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 |

## Identification and Status

| | |
|---|---|
| **Product ID** | AB7557-F |
| **Country of Origin** | Sweden |
| **HS Code** | 8517620000 |
| **Dual Usage** | No |
| **Export Control Classification Number (ECCN)** | 5A991.b.1 |

## Physical Features

| | |
|---|---|
| **Connectors / Input / Output** | 2x RJ45, 2xRJ45, USB-B Config port |
| **DIP & Rotary Switches** | 1x 8-dip switches for Station Number |
| **Contains Battery** | No |

## CC-Link IE Field Features

| | |
|---|---|
| **CC-Link IE Field Mode** | Slave |
| **CC-Link IE Field Supported Functionality** | CC-Link IE Field Network Intelligent Device Station |
| **CC-Link IE Field Bandwith** | 1 Gbit/s fixed |
| **CC-Link IE Field Input Data Size** | 512 bytes |
| **CC-Link IE Field Output Data Size** | 512 bytes |

## Certifications and Standards

| | |
|---|---|
| **Protection Class IP** | IP20 |
| **RoHS Compliant** | Yes |
| **Recycle / Disposal** | TRUE |
| **CE** | Yes |
| **UL** | Yes |

## Certifications and Standards

| | |
|---|---|
| **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 |
| **Waste Certification (WEEE)** | Yes |
| **WEEE Category** | IT and telecommunications equipment |