

# Anybus X-gateway – Modbus TCP Server - PROFINET-IRT FO Device

Item number: AB7979-F

The Anybus X-gateway Modbus TCP Server to PROFINET-IRT FO Device enables you to connect any Modbus TCP system to any PROFINET-IRT FO control system. Anybus gateways ensure reliable, secure, high-speed data transfers between different industrial networks while being easy to use.



*A protocol converter that connects Modbus TCP and PROFINET-IRT FO control systems*

## Features and benefits

- ✔ **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.
- ✔ **Trusted partner**

Anybus has a long history of working with all the major network organizations to ensure compliant, high-performing, and compatible products.
- ✔ **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
- ✔ **Increased PLC performance**

The gateway allows for fast transfer of cyclic I/O data between the two networks, offloading your PLC from working with additional calculations.
- ✔ **Life cycle management**

HMS maintains every part of the gateway, including network updates, throughout the product’s lifecycle.

# Anybus X-gateway – Modbus TCP Server - PROFINET-IRT FO Device



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	Aluminum, Plastic

# Anybus X-gateway – Modbus TCP Server - PROFINET-IRT FO Device



## General

Packaging Material	Cardboard
--------------------	-----------

## Identification and Status

Product ID	AB7979-F
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A991.b.1
Supply Risk Factor ERP	Volume not defined yet

## Physical Features

Connectors / Input / Output	2x SC-RJ Fiber Optic, 2xRJ45, USB-B Config port
-----------------------------	---

## 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

## PROFINET Features

PROFINET Mode	Slave
PROFINET Supported Functionality	IRT; Acyclic Data exchange; SNMP-MIBII; I&M; LLDP
PROFINET Conformance Class	Class A, Class B, Class C
PROFINET Configuration File	GSDML available
PROFINET Bandwidth	100 Mbit/s fixed
PROFINET Input Data Size	220 bytes
PROFINET Output Data Size	220 bytes

# Anybus X-gateway – Modbus TCP Server - PROFINET-IRT FO Device



## Certifications and Standards

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