

## Anybus X-gateway – PROFINET-IO Device – PROFINET-IO Device

Item number: AB7651-F

The Anybus X-gateway PROFINET-IO Device to PROFINET-IO Device enables you to connect any PROFINET-IO system to any PROFINET-IO 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 PROFINET-IO and PROFINET-IO 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.
- ✓

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## Identification and Status

Product ID	AB7651-F
Successor	ABC4022-A, ABC4090-A
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A991.b.1

## 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

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## General

<b>Input Voltage (V)</b>	24V DC (-20% to +20%)
<b>Power Connector</b>	2-pin, 5.08 Phoenix plug connector
<b>Isolation</b>	Yes
<b>Mounting</b>	DIN-rail (EN 50022 standard)
<b>Housing Materials</b>	Aluminum, Plastic
<b>Packaging Material</b>	Cardboard

## Physical Features

<b>Connectors / Input / Output</b>	2x RJ45;USB-B Config port
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## PROFINET Features

<b>PROFINET Mode</b>	Slave
<b>PROFINET Supported Functionality</b>	Soft Real-Time (RT); Max 64 slots / 1 sub-slot; DCP support; Acyclic Data exchange
<b>PROFINET Conformance Class</b>	Class B
<b>PROFINET Configuration File</b>	GSDML available
<b>PROFINET Bandwidth</b>	10/100Mbit full/half duplex down to 1ms
<b>PROFINET Input Data Size</b>	512 bytes
<b>PROFINET Output Data Size</b>	512 bytes

## Certifications and Standards

<b>Protection Class IP</b>	IP20
<b>Recycle / Disposal</b>	Yes
<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