

## Anybus Communicator PROFINET IO Device – PROFINET IO Device

Item number: ABC4022-A

The Anybus Communicator PROFINET IO Device to PROFINET IO Device coupler enables you to interconnect PROFINET control systems. Anybus Communicators ensure reliable, secure, and high-speed data transfer between industrial networks. Thanks to our intuitive web-based user interface, they're also incredibly easy to use.



*An industrial gateway that interconnects PROFINET control systems*

### Features and benefits

- ✓ **High performance**  
Powered by the award-winning NP40 network processor, it enables instant transfer of up to 1500 bytes (network dependent) between networks, totaling 3000 bytes.
- ✓ **Instant data transfer**  
Instant data transfer lets you take advantage of high-speed industrial networks.
- ✓ **Intuitive user interface**  
Use the intuitive web-based user interface to easily configure the Communicator via the drag-and-drop functionality or to analyze live data and generate support packages.
- ✓ **Cybersecurity**  
Secure boot protects against malware, while a security switch prevents unauthorized changes. In addition, the gateway only passes configured data between the networks, keeping network traffic isolated.
- ✓ **Optimized hardware design**  
The Communicator has forward-facing ports and is designed for IP20 and DIN-rail mounting, enabling you to install it with ease, close to connected devices, thereby reducing wiring requirements.
- ✓ **Diagnostics**  
The user interface displays real-time connection status and I/O data mapping for easy troubleshooting. Easily generate a support file containing all the necessary information.
- ✓ **5-year warranty**  
Thanks to carefully selected industrial components the Communicator operates reliably in harsh environments, ensuring uptime and longevity. Our confidence in quality is reflected in a 5-year warranty.
- ✓ **Life cycle management**  
HMS maintains every part of the Communicator, including network updates, throughout the product's lifecycle.

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General	
Net Width (mm)	27
Net Height (mm)	144
Net Depth (mm)	98
Net Weight (g)	150
Packed Width (mm)	12
Packed Height (mm)	2
Packed Depth (mm)	8
Packed Weight (g)	185
Operating Temperature °C Min	-25
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Current Consumption Type Value at Vcc Nom (mA)	90mA @ 24V DC (2.2W)
Current Consumption Max value at Vcc nom (mA)	125mA @24V DC (3W)
Input Voltage (V)	12-30V DC
Power Connector	3-pin, 5.08 Phoenix plug connector
Isolation	Yes
Mounting	DIN-rail (EN 50022 standard)
Housing Materials	PC ABS, UL 94 VO

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## General

Packaging Material	Cardboard
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## Identification and Status

Product ID	ABC4022-A
Model Code	40-ETH-ETH-B
Predecessor	AB7651-F
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A991.b.1

## Physical Features

Connectors / Input / Output	2x RJ45;RJ45 Config port
Push Buttons	Factory reset
DIP & Rotary Switches	Security lock switch

## PROFINET Features

PROFINET Mode	Slave
PROFINET Supported Functionality	RT; Daisy chaining;
PROFINET Conformance Class	Class B
PROFINET Configuration File	GSDML available
PROFINET Bandwidth	10/100MBit down to 1ms cycle time
PROFINET Input Data Size	1024 bytes
PROFINET Output Data Size	1024 bytes

## Certifications and Standards

Protection Class IP	IP20
Recycle / Disposal	Yes

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## Certifications and Standards

<b>UL Information</b>	E214107: Ord.Loc UL 61010-1, CSA C22.2 No. 61010-1, UL 61010-2-201, CSA C22.2 No. 61010-2-201
<b>Environment</b>	EN 55016-2-3 Class A, EN 55032 Class A, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6





## Use Case



The Anybus Communicator PROFINET IO-device – PROFINET IO-device provide a secure and reliable solution for interconnecting PROFINET control systems.