

## Anybus Communicator PROFINET IO-Device - EtherNet/IP adapter

Item number: ABC4013-A

The Anybus Communicator PROFINET IO Device to EtherNet/IP adapter enables you to connect any PROFINET IO control system to any EtherNet/IP control system. Anybus Communicators ensure reliable, secure, high-speed data transfers between different industrial networks. Thanks to our intuitive web-based user interface, they're also incredibly easy to use.



*A protocol converter that connects PROFINET IO and EtherNet/IP control systems*

### Features and benefits

- ✓ **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, export log files, and generate support packages.
- ✓ **High performance**  
Powered by the award-winning NP40 network processor and high-end components, the Communicator meets the constantly growing demand for more data to be transferred faster.
- ✓ **Instant data transfer**  
Instant data transfer lets you take advantage of high-speed industrial networks, as the Communicator provides hardware-accelerated endian conversion (byte swap), saving processing time on the PLC.
- ✓ **Ensures uptime**  
Thanks to carefully selected industrial components the Communicator operates reliably in harsh industrial environments ensuring uptime and a long life.
- ✓ **Brand Labeling**  
Pre-configure the Communicator and customize the hardware and user interface with your colors and logos.
- ✓ **Cybersecurity**  
The secure boot protects against malware, while a security switch locks configurations to prevent unauthorized changes. Ports used in production are disabled to add another layer of security.
- ✓ **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.
- ✓ **5-year warranty**  
The Communicator is made to be durable and have a long life. We're so confident in its quality that we provide a 5-year warranty.
- ✓ **Instant 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.
- ✓ **Life cycle management**  
HMS maintains every part of the Communicator, including network updates, throughout the product's lifecycle.

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## Identification and Status

Product ID	ABC4013-A
Model Code	40-ETH-ETH-B
Successor	AB7649
Predecessor	AB7649-F
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A991.b.1

## 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

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## General

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	TRUE
Mounting	DIN-rail (EN 50022 standard)
Housing Materials	PC ABS, UL 94 VO
Packaging Material	Cardboard
Warranty (years)	5

## Physical Features

Connectors / Input / Output	2x RJ45, 2xRJ45, RJ45 Config port
Push Buttons	Factory reset
DIP & Rotary Switches	Security lock switch

## EtherNet/IP Features

EtherNet/IP Mode	Adapter / Slave
EtherNet/IP Supported Functionality	Endian conversion (byte swap); QoS; Ethernet/IP Class 1 and 3; Quick Connect Class B; DLR (beacon mode); Daisy Chainging; CT19 ODVA Conformance
EtherNet/IP Configuration File	EDS available
EtherNet/IP Bandwidth	10/100MBit down to 1ms cycle time
EtherNet/IP Input Data Size	1448 bytes
EtherNet/IP Output Data Size	1448 bytes

## PROFINET Features

PROFINET Mode	Slave
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## PROFINET Features

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

## Certifications and Standards

<b>Protection Class IP</b>	IP20
<b>Recycle / Disposal</b>	TRUE
<b>ETIM Classification</b>	EC001604
<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>ATEX Information</b>	II 3 G Ex ec IIC T4 Gc, EN IEC 60079-0, 60079-7, IEC 60664-1
<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
<b>WEEE Category</b>	IT and telecommunications equipment



## Use Case



The communicator can be used wherever there is a need to transfer data between control systems using different industrial protocols.