

## Anybus Communicator EtherNet/IP Adapter – EtherNet/IP Adapter

Item number: ABC4010-A

The Anybus Communicator EtherNet/IP Adapter to EtherNet/IP Adapter enables you to interconnect EtherNet/IP 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 EtherNet/IP 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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## Identification and Status

Product ID	ABC4010-A
Model Code	40-ETH-ETH-B
Predecessor	AB7831-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
Current Consumption Type Value at Vcc Nom (mA)	90mA @ 24V DC (2.2W)

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## General

<b>Current Consumption Max value at Vcc nom (mA)</b>	125mA @24V DC (3W)
<b>Input Voltage (V)</b>	12-30V DC
<b>Power Connector</b>	3-pin, 5.08 Phoenix plug connector
<b>Isolation</b>	Yes
<b>Mounting</b>	DIN-rail (EN 50022 standard)
<b>Housing Materials</b>	PC ABS, UL 94 VO
<b>Packaging Material</b>	Cardboard

## Physical Features

<b>Connectors / Input / Output</b>	2xRJ45;RJ45 Config port
<b>Push Buttons</b>	Factory reset
<b>DIP &amp; Rotary Switches</b>	Security lock switch

## EtherNet/IP Features

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

## Certifications and Standards

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

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## Certifications and Standards

**Environment**

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 EtherNet/IP adapter – EtherNet/IP adapter provide a secure and reliable solution for interconnecting EtherNet/IP control systems.