

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.

✓ 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.

✓ 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

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.

✓ Instant data transfer

Instant data transfer lets you take advantage of high-speed industrial networks.

✓ 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.

✓ 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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General

Net Width (mm)	27
Net Height (mm)	144
Net Depth (mm)	98
Net Weight (g)	150
Packed Width (mm)	35
Packed Height (mm)	170
Packed Depth (mm)	115
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
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes
Isolation	Yes

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General

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

Identification and Status

Product ID	ABC4010-A
Model Code	40-ETH-ETH-B
Predecessor	AB7831-F
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	5A991.b.1

Physical Features

Connectors / Input / Output	2xRJ45;RJ45 Config port
Push Buttons	Factory reset
DIP & Rotary Switches	Security lock switch
Contains Battery	No

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

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EtherNet/IP Features

EtherNet/IP Output Data Size	1448 bytes
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Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	Yes
CE	Yes
FCC	No
UL	Yes
UL Information	E214107: Ord.Loc UL 61010-1, CSA C22.2 No. 61010-1, UL 61010-2-201, CSA C22.2 No. 61010-2-201
KC	Yes
EMC	Yes
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
Waste Certification (WEEE)	Yes



Use Case



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