

## Anybus Communicator EtherNet/IP Scanner – Common Ethernet

Item number: ABC3390-A

The Anybus Communicator EtherNet/IP Scanner to Common Ethernet enables you to connect any device or equipment to PROFINET, EtherCAT, or Modbus TCP control systems. Anybus Communicators ensure reliable, secure, and high-speed data transfers. The intuitive user interface makes them incredibly easy to use.



*A protocol converter that connects EtherNet/IP devices to Industrial Ethernet 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.
- ✓ **Endian conversion**  
The Communicator provides hardware-accelerated endian conversion (byte swap), saving processing time on the PLC.
- ✓ **Import EDS files**  
Directly import EDS files in web user interface, eliminating the need to install third-party software.
- ✓ **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.
- ✓ **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**  
Despite advanced security, human error often causes breaches. Our Communicator's physical security switch can lock configurations and block web interface access, enhancing security.
- ✓ **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<br>Value at Vcc Nom (mA) | 90mA @ 24V DC (2.2W)               |
| Current Consumption Max<br>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                                  | ABC3390-A                    |
| Model Code                                  | 40-ETH-ETH-B                 |
| Predecessor                                 | AB7670-F, AB7669-F, AB7699-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;2x RJ45;RJ45 Config port |
| Push Buttons                | Factory reset                   |
| DIP & Rotary Switches       | Security lock switch            |
| Contains Battery            | No                              |

## EtherCAT Features

|                                  |                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| EtherCAT Mode                    | Slave / SubDevice                                                                                    |
| EtherCAT Supported Functionality | COE (Can Over EtherCAT); PDO, SDO; APRD, ARMW, APWR, BRD, BWR, FPRD, FPRW, FPWR, FRMW, LRD, LRW, LWR |
| EtherCAT Configuration File      | ESI available                                                                                        |
| EtherCAT Bandwidth               | 10/100 Mbit down to 100us cycle time                                                                 |
| EtherCAT Input Data Size         | 1486 bytes                                                                                           |

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## EtherCAT Features

|                           |            |
|---------------------------|------------|
| EtherCAT Output Data Size | 1486 bytes |
|---------------------------|------------|

## EtherNet/IP Features

|                                     |                                                                                                      |
|-------------------------------------|------------------------------------------------------------------------------------------------------|
| EtherNet/IP Mode                    | Scanner / Master                                                                                     |
| EtherNet/IP Supported Functionality | EDS import; Endian conversion (byte swap); LiveList; DataExchangeControl; QoS; CT20 ODVA Conformance |
| EtherNet/IP No. Of Adapters         | 32                                                                                                   |
| EtherNet/IP Configuration File      | EDS available                                                                                        |
| EtherNet/IP Bandwidth               | 10/100MBit down to 1ms cycle time                                                                    |
| EtherNet/IP Input Data Size         | 1500 bytes                                                                                           |
| EtherNet/IP Output Data Size        | 1500 bytes                                                                                           |

## Modbus-TCP Features

|                                    |                                                            |
|------------------------------------|------------------------------------------------------------|
| Modbus-TCP Mode                    | Slave / Server                                             |
| Modbus-TCP Supported Functionality | Modbus specification V1.1b3; 4 connections; Daisy chaining |
| Modbus-TCP Functions Supported     | 1, 2, 3, 4, 5, 6, 15, 16, 23, 43/14                        |
| Modbus-TCP Bandwidth               | 10/100 Mbit/s                                              |
| Modbus-TCP Input Data Size         | 1500 bytes                                                 |
| Modbus-TCP Output Data Size        | 1500 bytes                                                 |

## 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 |

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## PROFINET Features

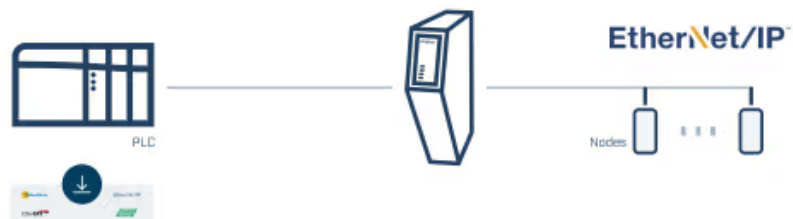
|                           |            |
|---------------------------|------------|
| PROFINET Input Data Size  | 1024 bytes |
| PROFINET Output Data Size | 1024 bytes |

## 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 Scanner is the easiest and most reliable way to connect EtherNet/IP devices to control systems.