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)	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

General

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
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

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
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

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EtherNet/IP Features

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
PROFINET Input Data Size	1024 bytes
PROFINET Output Data Size	1024 bytes

Certifications and Standards

Protection Class IP	IP20
Recycle / Disposal	Yes

Certifications and Standards

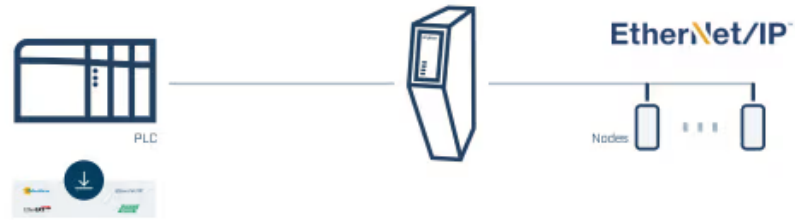|	
UL Information	E214107: Ord.Loc UL 61010-1, CSA C22.2 No. 61010-1, UL 61010-2-201, CSA C22.2 No. 61010-2-201
Environment	EN 55016-2-3 Class A, EN 55032 Class A, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6

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