Anybus Communicator – EtherCAT MainDevice to PROFINET IO-Device

Item number: ABC3113-A

The Anybus Communicator EtherCAT MainDevice to PROFINET IO-Device enables you to connect any EtherCAT device to PROFINET control systems. Anybus Communicators ensure reliable, secure, and 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 EtherCAT devices to PROFINET 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.

✔ **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.

✔ **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**

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.

✔ **Brand Labeling**

Pre-configure the Communicator and customize the hardware and user interface with your colors and logos.

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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
Relative Humidity	0-95% non-condensing
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)

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General

Housing Materials	PC ABS, UL 94 VO
Packaging Material	Cardboard
Warranty (years)	5

Identification and Status

Product ID	ABC3113-A
Model Code	40-ETH-ETH-B
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A991.b.1

Physical Features

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

EtherCAT Features

EtherCAT Mode	Master / MainDevice
EtherCAT Supported Functionality	COE (CAN Over EtherCAT); PDO; Scan only
EtherCAT No. Of Subordinate Devices	24 Slaves / SubDevices
EtherCAT Bandwidth	10/100 Mbit down to 1ms cycle time
EtherCAT Input Data Size	1500 bytes
EtherCAT Output Data Size	1500 bytes

PROFINET Features

PROFINET Mode	Slave
PROFINET Supported Functionality	RT; Daisy chaining;

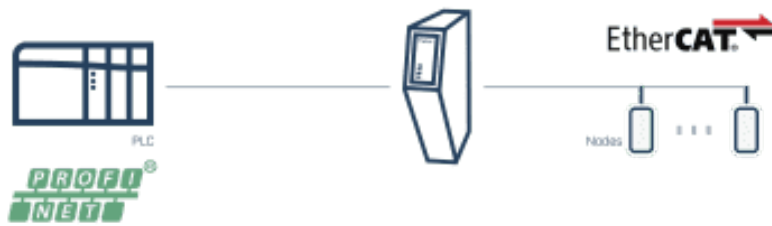# Anybus Communicator – EtherCAT MainDevice to PROFINET IO-Device

PROFINET Features

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	TRUE
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
WEEE Category	IT and telecommunications equipment

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