Anybus®
BY HMS NETWORKS

Anybus Communicator PROFINET IO Device – PROFINET IO Device

Item number: ABC4022-A

The Anybus Communicator PROFINET IO Device to PROFINET IO Device coupler enables you to interconnect PROFINET 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 PROFINET 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.

HMS

Anybus Communicator PROFINET IO Device – PROFINET IO Device

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

Anybus Communicator PROFINET IO Device – PROFINET IO Device

General

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

Identification and Status

Product ID	ABC4022-A
Model Code	40-ETH-ETH-B
Predecessor	AB7651-F
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	5A991.b.1

Physical Features

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

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 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 PROFINET IO-device – PROFINET IO-device provide a secure and reliable solution for interconnecting PROFINET control systems.