

Anybus Communicator – CAN to PROFINET-IO

Item number: AB7317-B

The Anybus Communicator – CAN to PROFINET-IO converts CAN protocols to PROFINET-IO, enabling you to connect any CAN-based device or equipment to PROFINET-IO control systems. Anybus Communicators ensure reliable, secure, high-speed data transfers between different industrial networks while being easy to use.



A protocol converter that connects CAN devices to PROFINET-IO control systems.

Features and benefits

- ✓ **No hardware or software changes needed**
Integrate your CAN-based industrial devices and equipment to a PROFINET-IRT control system without the need for any changes to the device. Just connect, configure and you're done!
- ✓ **Compatible**
Convert CANopen, or any custom CAN 1.0, 2.0A, or 2.0B protocol, in just a few minutes.
- ✓ **3-year warranty**
The Communicator is designed to be robust and long-lasting. A 3-year guarantee is provided.
- ✓ **Convert proprietary protocols**
Converts Produce/Consume and Request/Response protocols and transactions.
- ✓ **Daisy chaining**
Versions with Dual Port switched Ethernet allow for daisy chaining and eliminate the need for external switches.
- ✓ **Easy integration**
No code or function blocks needed
- ✓ **CAN frame building**
Use the Anybus Configuration Manager for easy visual CAN frame building.
- ✓ **Slim hardware design**
The Communicator is designed for IP20 and DIN-rail mounting, enabling you to install it with ease, close to connected devices, thereby reducing wiring requirements.
- ✓ **Any PLC**
Compatible with PLCs from all leading manufacturers
- ✓ **Save & Load**
The Save/Load function enables a completed configuration to be re-used for other installations.
- ✓ **Trusted partner**
Anybus has a long history of working with all the major network organizations to ensure compliant, high-performing, and compatible products.
- ✓ **Life cycle management**
HMS maintains every part of the Communicator, including network updates, throughout the product's lifecycle.

Anybus Communicator – CAN to PROFINET-IO



General	
Net Width (mm)	27
Net Height (mm)	120
Net Depth (mm)	75
Net Weight (g)	300
Packed Width (mm)	15
Packed Height (mm)	6
Packed Depth (mm)	17
Packed Weight (g)	300
Operating Temperature °C Min	-25
Operating Temperature °C Max	55
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Current Consumption Type Value at Vcc Nom (mA)	100mA @ 24V DC
Current Consumption Max value at Vcc nom (mA)	250mA @ 24V DC
Input Voltage (V)	24V DC (-10% to +10%)
Power Connector	2-pin, 5.08 Phoenix plug connector
Isolation	TRUE
Mounting	DIN-rail (EN 50022 standard)
Housing Materials	Plastic

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General

Packaging Material	Cardboard
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Identification and Status

Product ID	AB7317-B
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A991.b.1
Supply Risk Factor ERP	Used in Volume 01

Physical Features

Connectors / Input / Output	male 9-DSUB, 2x RJ45
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CAN Features

CAN Mode	Generic CAN
CAN Baud Rate	20 kBit/s to 1 Mbit/s

CANopen Features

CANopen Mode	Generic CAN
CANopen Baud Rate	20 kBit/s to 1 Mbit/s
CANopen Supported Functionality	CAN standards 2.0A/2.0B; Byte swap; 128 CAN transactions; Produce / Consume; Cyclic, On data change, Single Shot, Trigger update modes;
CANopen Input Data Size	512 bytes
CANopen Output Data Size	512 bytes

PROFINET Features

PROFINET Mode	Slave
PROFINET Supported Functionality	Soft Real-Time (RT); Max 64 slots / 1 sub-slot; DCP support; Acyclic Data exchange
PROFINET Configuration File	GSDML available
PROFINET Bandwidth	10/100Mbit full/half duplex down to 1ms
PROFINET Input Data Size	512 bytes

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PROFINET Features

PROFINET Output Data Size	512 bytes
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Certifications and Standards

Protection Class IP	IP20
Recycle / Disposal	TRUE
UL Information	E214107: Ord.Loc UL508, CSA C22.2 NO. 142; E203225: Haz.Loc CL I DIV2 GP A,B,C,D T4, ANSI/ISA 12.12.01, CAN/CSA C22.2 No. 213, CAN/CSA C22.2 No. 142
ATEX Information	II 3 G Ex nA ic IIC T4 Gc, EN 60079-0; EN60079-15; EN60079-11
Environment	EN 61000-6-4, EN 55016-2-3 Class A, EN 55022 Class A, EN 61000-6-2, 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