



## Anybus Communicator – Serial Master to PROFINET IO

Item number: AB7013-C

The Anybus Communicator – Serial Master to PROFINET IO converts serial protocols to PROFINET IO, enabling you to connect any RS-232/485 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 serial devices to PROFINET IO control systems.*

### Features and benefits

# Anybus Communicator – Serial Master to PROFINET IO



## Identification and Status

Product ID	AB7013-C
Successor	ABC3013-A, ABC3090-A, ABC3090EX-A
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A991.b.1

## General

Net Weight (g)	300
Packed Width (mm)	15
Packed Height (mm)	6
Packed Depth (mm)	17
Packed Weight (g)	300
Operating Temperature °C Min	0
Operating Temperature °C Max	55
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	0-95% non condensing
Current Consumption Type Value at Vcc Nom (mA)	100mA @ 24V DC
Current Consumption Max value at Vcc nom (mA)	300mA @ 24V DC
Input Voltage (V)	24V DC (-10% to +10%)
Power Connector	2-pin, 5.08 Phoenix plug connector

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## General

Isolation	TRUE
Maximum Installation Altitude (m)	up to 2 000 m
Mounting	DIN-rail (EN 50022 standard)
Housing Materials	PC ABS, UL 94
Packaging Material	Cardboard

## Physical Features

Connectors / Input / Output	1x D-sub 9-pin female, 2x RJ45
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## Modbus-RTU Features

Modbus-RTU Mode	Client / Master
Modbus-RTU Supported Functionality	RS-232; RS-422; RS485; DF1; Standard Modbus RTU Master; Custom Request / Responce commands; Custom Produce / Consume transactions; Trigger initiated transactions 7 or 8 data bit; None, Odd, Even Parity; 1 or 2 stop bit; Clear/Freeze
Modbus-RTU Functions Supported	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 15, 16, 17, 20, 21, 22, 24
Modbus-RTU Baud Rate	1200,1800,2400,4800,7200,9600,14400,19200,35700,38400,57600 bit/s
Modbus-RTU Input Data Size	512 bytes
Modbus-RTU 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
PROFINET Output Data Size	512 bytes

## Serial Features

Connector	1x D-sub 9-pin female
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## Serial Features

<b>Max Nodes</b>	31
<b>Baud Rate</b>	1200,1800,2400,4800,7200,9600,14400,19200,35700,38400,57600 bit/s
<b>Supported Functionality</b>	RS-232; RS-422; RS485; DF1; Standard Modbus RTU Master; Custom Request / Responce commands; Custom Produce / Consume transactions; Trigger initiated transactions 7 or 8 data bit; None, Odd, Even Parity; 1 or 2 stop bit; Clear/Freeze

## Certifications and Standards

<b>Protection Class IP</b>	IP20
<b>Recycle / Disposal</b>	TRUE
<b>UL Information</b>	E214107: Ord.Loc UL508, CSA C22.2 No. 14-10; E203225: Haz.Loc CL I DIV2 GP A,B,C,D, ANSI/ISA 12.12.01, CSA C22.2 No. 213
<b>Environment</b>	EN 50082-2, EN 55011, EN 61000-6-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6
<b>WEEE Category</b>	IT and telecommunications equipment