

## Anybus Communicator – EtherNet/IP adapter to PROFIBUS DP Device

Item number: ABC4014-A

The Anybus Communicator EtherNet/IP adapter to PROFIBUS DP Device enables you to connect any EtherNet/IP control system to any PROFIBUS control system. Anybus Communicators ensure reliable, secure, 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 EtherNet/IP and PROFIBUS DP control systems*

### Features and benefits

- ✓ **Transfer 1448 bytes to and from EtherNet/IP controller (PLC)**  
Transfer up to 1448 bytes in each direction (2896 total) via dual 10/100 Mbit full duplex RJ45 ports with an integrated switch for daisy-chaining. EtherNet/IP Adapter, 1 ms RPI, Class 1/Class 3, Device Level Ring, Quick Connect class B, and EDS file.
- ✓ **Instant data transfer**  
The Communicator transfers data instantly between networks, with processing time so low you don't even need to count it, as it's in line with network jitter. Just add the cycle times of both networks to get the total transfer time.
- ✓ **Diagnostics and support**  
The user interface shows connection status, allowing you to monitor the data going through the gateway. Monitor and control offline behavior via the Status Byte and Clear Data features. Our global support team is ready to help if needed.
- ✓ **Secure and segment networks**  
Secure boot blocks malware, while a security switch locks configurations to prevent unauthorized changes. Network segmentation is inherent in the design, as each network is run separately, with only configured data transferred between networks.
- ✓ **Transfer 244 bytes to and from PROFIBUS controller (PLC)**  
Transfer up to 244 bytes in each direction (488 bytes total). PROFIBUS DP device (slave) with automatic baud rate detection. Address setting via rotary switches or web interface. Includes a GSD file.
- ✓ **Configure via web interface over Ethernet**  
With a graphical and responsive web interface, configuration is a breeze. In addition, there's no software to install and the dedicated Ethernet configuration port makes it easy to get started.
- ✓ **Drop-in replacement**  
Already using an X-gateway? Don't worry, with legacy mode you can continue using the same configuration in your controller/PLC.
- ✓ **Built for factory floors**  
The Gateway is made with industrial-grade components, verified to meet industry standards, and backed by a 5-year warranty. Its slim form factor, front-facing ports, and cable tie make DIN-rail installation easy.

# Anybus Communicator – EtherNet/IP adapter to PROFIBUS DP 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	TRUE

# Anybus Communicator – EtherNet/IP adapter to PROFIBUS DP Device



## General

<b>Mounting</b>	DIN-rail (EN 50022 standard)
<b>Housing Materials</b>	PC ABS, UL 94 VO
<b>Packaging Material</b>	Cardboard
<b>Warranty (years)</b>	5

## Identification and Status

<b>Product ID</b>	ABC4014-A
<b>Model Code</b>	40-ETH-PDP-A
<b>Predecessor</b>	AB7832-F
<b>Country of Origin</b>	Sweden
<b>HS Code</b>	8517620000
<b>Dual Usage</b>	No
<b>Export Control Classification Number (ECCN)</b>	5A991.b.1

## Physical Features

<b>Connectors / Input / Output</b>	2xRJ45, 1x D-sub 9-pin female PROFIBUS connector, RJ45 Config port
<b>Push Buttons</b>	Factory reset
<b>DIP &amp; Rotary Switches</b>	Security lock switch
<b>Contains Battery</b>	No

## EtherNet/IP Features

<b>EtherNet/IP Mode</b>	Adapter / Slave
<b>EtherNet/IP Supported Functionality</b>	Endian conversion (byte swap); QoS; Ethernet/IP Class 1 and 3; Quick Connect Class B; DLR (beacon mode); Daisy Chainging; CT19 ODVA Conformance
<b>EtherNet/IP Configuration File</b>	EDS available
<b>EtherNet/IP Bandwidth</b>	10/100MBit down to 1ms cycle time

# Anybus Communicator – EtherNet/IP adapter to PROFIBUS DP Device



## EtherNet/IP Features

EtherNet/IP Input Data Size	1448 bytes
EtherNet/IP Output Data Size	1448 bytes

## PROFIBUS Features

PROFIBUS Mode	DP Device
PROFIBUS Supported Functionality	PROFIBUS-DP Slave functionality according to extensions of EN 50170
PROFIBUS Device Address	0-125
PROFIBUS Configuration File	GSD available
PROFIBUS Baud Rate	9600 bit/s - 12 Mbit/s
PROFIBUS Input Data Size	244 bytes
PROFIBUS Output Data Size	244 bytes

## Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
Recycle / Disposal	TRUE
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
ATEX	No
KC	Yes
EMC	Yes

# Anybus Communicator – EtherNet/IP adapter to PROFIBUS DP Device



## Certifications and Standards

<b>Environment</b>	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
<b>Waste Certification (WEEE)</b>	Yes
<b>WEEE Category</b>	IT and telecommunications equipment

# Anybus Communicator – EtherNet/IP adapter to PROFIBUS DP Device



## Use Case



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