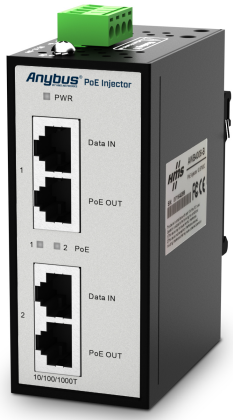
Anybus® PoE Injector

12–57 VDC

STARTUP GUIDE

SP2385 1.3 en-US ENGLISH



Connecting Devices™

Important User Information

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1 About This Document

This document describes how to install Anybus PoE Injector 12–57 VDC.

For additional documentation and technical support regarding this product, please visit www.anybus.com/support.

1.1 Document Conventions

The following formatting conventions are used in this document to indicate safety information and other content of specific importance:

WARNING
This instruction must be followed to avoid a risk of death or serious injury.

Caution
This instruction must be followed to avoid a risk of personal injury.

This instruction must be followed to avoid a risk of reduced functionality and/or damage to the equipment, or to avoid a network security risk.

This is additional information which may facilitate installation and/or operation.

2 Safety

2.1 Intended Use

The intended use of this equipment is to provide DC power over Ethernet cables.

If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

3 Description

Anybus PoE Injector 12–57 VDC is a dual port 802.3af/at compliant Power over Ethernet injector with Midspan Intelligent Detection.

The PoE injector will not turn on power until it detects a valid PoE signature from the devices attached downstream on the Ethernet cable. This protects non-compliant equipment against damage.

Anybus PoE Injector 12–57 VDC will not function with equipment that is not fully compliant with the IEEE 802.3af/at PoE standards.

The unit requires an external 12–57 VDC power supply (not included).

4 Installation

4.1 DIN Rail Mounting

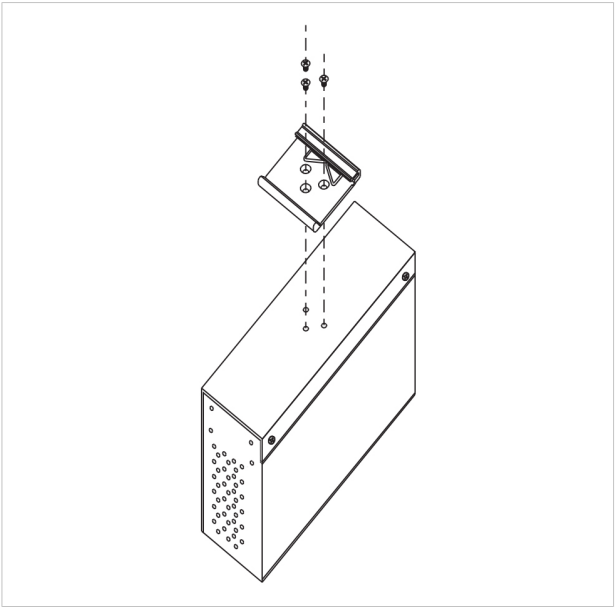

Fig. 1 DIN rail mounting kit

1. Attach the DIN rail mounting plate (included) to the back of the unit using the 3 included screws.
2. Hook the unit onto the DIN rail and press it downwards and towards the rail until it snaps into place.
3. To remove the unit, press downwards and pull the unit free from the DIN rail.

4.2 Wall Mounting

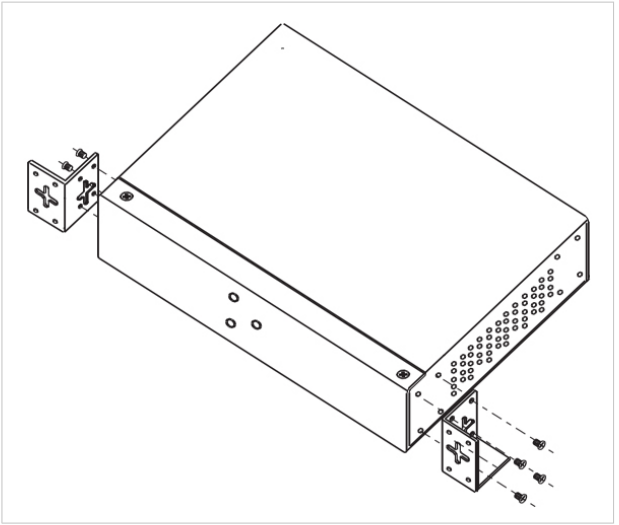

Fig. 2 Wall mounting kit

1. Attach the 2 wall mounting brackets (included) to the top and bottom of the unit using the included screws.
2. Hold the unit upright against the wall and fasten it with suitable screws through the apertures in the brackets.

4.3 Overview

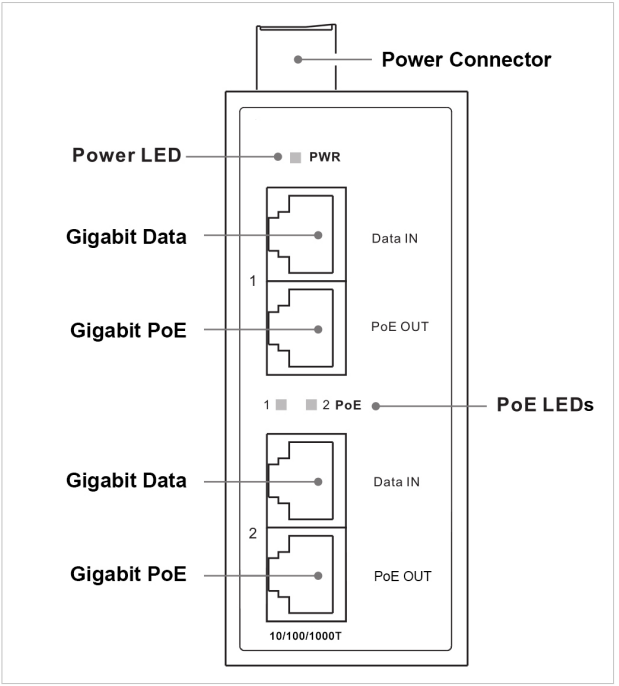

Fig. 3 Front panel

4.4 Ethernet/PoE Connectors

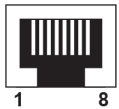

Fig. 4 Ethernet/PoE connector pinning (RJ45)

10/100 Mbit ports		
Pin	**Data IN (data only)**	**PoE OUT (data + power)**
1	Data Receive	Data Receive and Power (+)
2	Data Receive	Data Receive and Power (+)
3	Data Transmit	Data Transmit and Power (-)
4	(not connected)	(not connected)
5	(not connected)	(not connected)
6	Data Transmit	Data Transmit and Power (-)
7	(not connected)	(not connected)
8	(not connected)	(not connected)

Gigabit ports		
Pin	**Data IN (data only)**	**PoE OUT (data + power)**
1	Data BI_DA+	Data BI_DA+ and Power(+)
2	Data BI_DA-	Data BI_DA- and Power(+)
3	Data BI_DB+	Data BI_DB+ and Power(-)
4	Data BI_DC+	Data BI_DC+
5	Data BI_DC-	Data BI_DC-
6	Data BI_DB-	Data BI_DB- and Power(-)
7	Data BI_DD+	Data BI_DD+
8	Data BI_DD-	Data BI_DD-

! Do not connect pins 3 or 6 to ground.

4.5 Power Connector

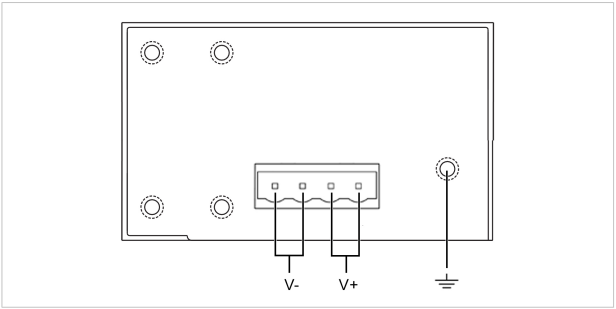

Fig. 5 Top panel

V-	Power Input -
V+	Power Input +
⏚	Chassis ground

> **!** Connecting power with reverse polarity or using the wrong type of power supply may damage the equipment. Make sure that the power supply is connected correctly and of the recommended type.

4.6 LED Indicators

PWR	Green	Power on
PoE 1	Off	No PoE device on port 1
	Blue, blinking	Detecting PoE device on port 1
	Blue, steady	PoE device link on port 1
PoE 2	Off	No PoE device on port 2
	Blue, blinking	Detecting PoE device on port 2
	Blue, steady	PoE device link on port 2

5 Technical Data

5.1 Technical Specifications

Order code	**AWB4006-B**
PoE standard	IEEE 802.3at/802.3af
Ethernet IN	2x RJ45 (Data, 10/100/1000 Base-T(x))
Ethernet OUT	2 x RJ45 (Data and power, 10/100/1000 Base-T(x))
Input voltage	12-57 VDC on 4-pin screw terminal block For UL compliance: 24–50 VDC +/-10%
Output voltage	50 V / 600 mA, 30 W max. per port
LED indicators	PWR, PoE
Short circuit protection	Yes
Overload protection	Yes
High voltage protection	Yes
Mounting	DIN rail + wall mount (included)
Weight	370g
Protection class	IP30
Storage temperature	-40 to 80°C (-40 to 176°F)
Operating temperature	-20 to 70°C (-4 to 158°F)
Housing	Metal
Dimensions W×H×D	41 x 95 x 70
Certifications	See datasheet

Disposal and recycling

You must dispose of this product properly according to local laws and regulations. Because this product contains electronic components, it must be disposed of separately from household waste. When this product reaches its end of life, contact local authorities to learn about disposal and recycling options, or simply drop it off at your local HMS office or return it to HMS.
For more information, see www.hms-networks.com.

5.2 Dimensions

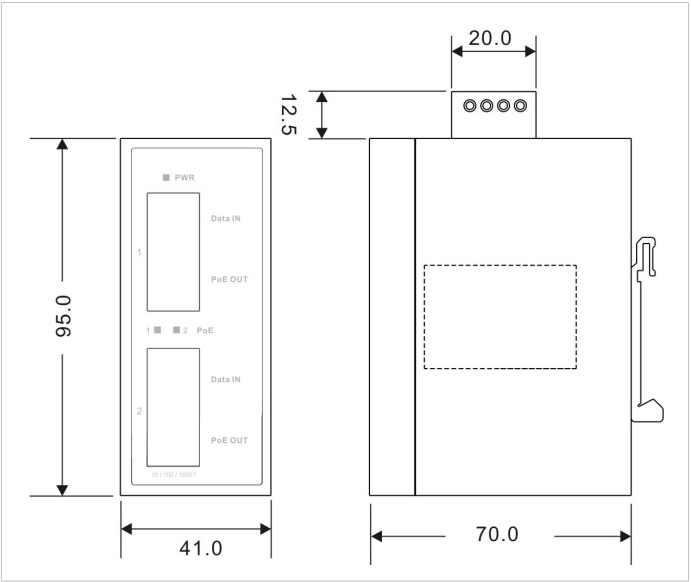

Fig. 6 Dimensions

All measurements are in mm.

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