

EN-PEX4GBC PoE Extender

Quick Installation Guide



www.procetpoe.com

Declaration

This document belongs to PROCET company. It is not allowed to reproduce and modify without the original author's permission. It is PROCET's policy to improve its products as new technology, components, software, and firmware at any time. PROCET, therefore, reserves the right to change specifications without prior notice. Please follow WEEE (Waste Electrical and Electronic Equipment) disposal instructions for old electronic products. Please do not dispose of the old product in your general household waste bin.



The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.

Overview

The installation Guide for EN-PEX4GBC and mainly introduces the hardware specification, installation methods, and precautions of the installation. There may be differences in the appearance and configuration from other models. All product images in this manual are for illustration purposes only and may differ from the actual product.

This manual includes the following chapters:

1. Product Introduction. Including the basic functions and specification of EN-PEX4GBC, as well as the product appearance and applications introduction.
2. Installation Introduction. Introducing the preparation work and precautions before installing the product.
3. Product Installation. Two methods of product installation.

For Whom

Network Engineers
Network Administrators
Field Technicians

Table of Contents

1. Introduction	01
1.1 Introduction.....	01
1.2 Appearance.....	01
1.3 Specification.....	03
2. Installation Preparation	04
2.1 Package contents.....	04
2.2 Inspection.....	04
3. Installation	06
3.1 Inspection.....	06

1. Introduction

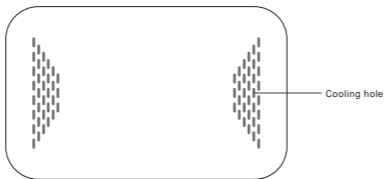
1.1 Introduction

EN-PEX04GBC is a 4-port Gigabit PoE extender, can deliver power and transmit data to 4 802.3af/at PDs simultaneously, total power budget is 71W. It is powered by an ultra 802.3bt/PoE++ switch or PSE, does not need an external power adapter. The typical power input is 90W. The total effective distance from data source to PD is 200 meters over CAT5e/CAT6 cables. Daisy-chain 2 units reaching 300m from end to end or by star topology can power up 7 PDs.

Equipped a USB-C port, which can deliver power to mobile phone , tablet or USB-C devices. Designed with OVP, OCP, SCP function.

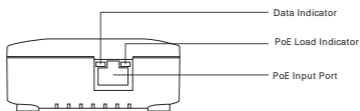
1.2 Appearance

- Upper View



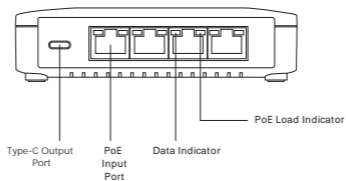
1-1 Upper View

- Side View



1-2 Side View

- Front View



1-3 Front View

Indicator Display:

Items	Status	Description
PoE Load Indicator Green	Solid Light	PD is powered(Default/Normal)
	Light Off	No connection to PD
Data Indicator Yellow	Flashing Light	Data available(Normal)
	Light Off	No Data transmission
Light Off		PoE Switch is powered off/defective.

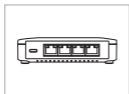
1.3 Specification

Items	Description
PoE Input	PoE+ +/802.3bt/Passive, 44-57Vdc, Typical: 90W
Output	PoE Output : 802.3af/at, 30W(max)*4 Ports, total 71W
	Type-C Output : 5V / 2.0A (10 W max)
PoE out Power Pins	3/6(+), 1/2(-)
Work Temp.	0 to 40
Operating Humidity	20%-80% , non-condensation
Operating Altitude	Up to 2000 meters
Storage Temp.	-20 to 70
Storage Humidity	10%-90% , non-condensation
Network Protocol	IEEE802.3i / IEEE802.3u / IEEE802.3ab
Data Speed	RJ45: 10/100/1000Mbps
Regulatory Compliance	CE
IP Rated	IP20
Dimensions & NW	116.4mm X 71.3mm X 30.5mm (151.3g)
EMC	EN 55032:2015/A11:2020
	EN 55035:2017/A11:2020

2. Installation Preparation

2.1 Package Contents

Open the box of the EN-PEX4GBC and carefully unpack it, the box should contain the following items:



EN-PEX4GBC



Operation Manual

2.2 Inspection

2.2.1 Connect the device to an 802.3bt standard or passive 90W PSE or PoE switch and check the PoE Load Indicator is solid green to ensure proper function before installation.

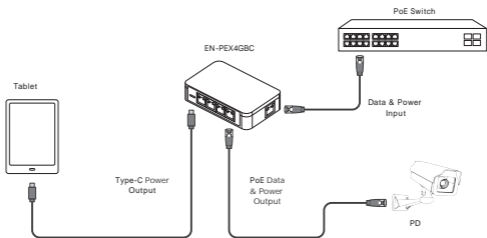
2.2.2 Connect the PoE port to the PoE powered device(PD). Such as the IP Cameras or Wireless APs.

As showed in Figure 2-1 ;



Caution :

Please use PoE powered device(PD) that complies with IEEE802.3af/at to connect this product. Can not feed non-802.3af/at standard PD, nor 24Vdc PD.25



2-1 Device Connection

Caution :

1. Please read the instructions carefully and follow the standard operating procedures before using.
 2. Please place it in a well-ventilated and dry area, and it is for indoor use only.
 3. Connect a CAT5/5e/6 cable with the RJ45 connector into the RJ45 socket labeled PoE In. The total Ethernet cable length can not exceed 100 meters.
 4. Connect a CAT5/5e/6 cable with the RJ45 connector into the RJ45 socket labeled PoE 1, PoE2, PoE3 and PoE4. On the other end of the CAT5e/6 cable, connect to your PoE powered Device (PD, such as IP Cameras etc). The total Ethernet cable length can not exceed 100 meters.
 5. Daisy-chain 2 units reaching 300m from end to end or by star topology can power up 7 PDs.
 6. The device must be placed on a stable surface, preferably affixed and mounted permanently. Do not leave it "dangling" and use plugged-in cables in tension as support. Drops, falls, and impacts experienced by the injector can compromise the internal components & cause premature failure.
 7. Do not place heavy objects on top of this injector. Allow at least 5cm of clearance on all sides of the device for heat ventilation / natural convection.
-



3. Installation

3.1 Inspection

Inspect the installed equipment before putting it into operation :

- Make sure the PD is compliant with our product.
- Make sure the Ethernet cable connection is correct.

Make sure all connections are correct, inspect all the indicators.



Caution :

If it is placed in an outdoor environment, please install the device in a waterproof case with a height of 45cm if possible.

Waterproof Ethernet cables should be with a protective sheath.
CAT5e/6 cables are recommended.

Qualification Card

PASS