

**INTRODUCTION**

AP-GXC-0150: 1 PoE IN - to - 1 PoE OUT.

AP-GXC-0250: 1 PoE IN - to - 2 PoE OUT.

The AP-GXC-0150/0250 is outdoor Gigabit PoE extender capable of receiving 90W IEEE 802.3bt PoE power from PSE. Multiple extenders can be cascaded to increase the cabling distance.

**PACKAGE CONTENTS**

• 1x Outdoor PoE Extender	• 1x Quick Installation Guide
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**⚠ IMPORTANT:**

1. Install the device in a ventilated and dry place, that is free of electromagnetic source, vibration, moisture, and dust.
2. Make sure the ventilation openings on the extender are not blocked.
3. Use CAT.5e or 6 UTP/STP cables. Avoid using low-quality cables, which will seriously limit the cabling distance.

**CONNECTION**

Following are the conditions for making the cabling:

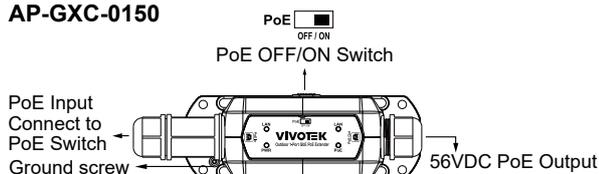
1. Use 18~19Ω, 24AWG CAT.5e cables.
2. Typical cameras stream size feature = 1080p@30fps - 6Mbps; 720p@30fps - 3Mbps.

Make sure the combined bandwidth consumption does not exceed the uplink bandwidth from the PoE switch.

NOTE: There are power losses due to cable resistance.

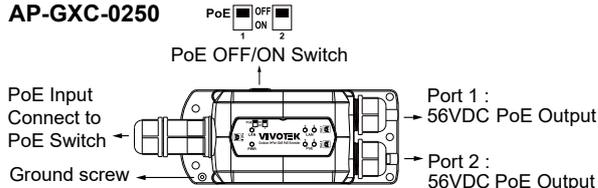
**INSTALLATION**

**AP-GXC-0150**



\* Make sure the grounding resistance is lower than 0.5Ω.

**AP-GXC-0250**



\* Make sure the grounding resistance is lower than 0.5Ω.

**LED DEFINITIONS**

<b>PWR</b>	Green ON	PoE IN port is connected to PSE.
	OFF	No PoE IN connection.
<b>PoE</b>	Green or Amber ON	Power over ethernet cable status
	OFF	Ethernet cable no Power
<b>LAN</b>	Green ON	Data link is detected.
	Green Flashing	Data is being transmitted or received.
	OFF	Link is not detected.

**DIP SWITCH DEFINITIONS**

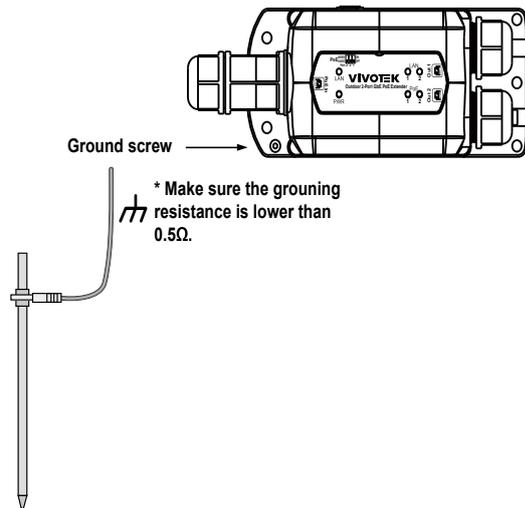
<b>Pin 1</b>	ON	Port 1 Turn on PoE output
	OFF	Port 1 Turn off PoE output
<b>Pin 2</b> (AP-GXC-0250 only)	ON	Port 2 Turn on PoE output
	OFF	Port 2 Turn off PoE output

\*If the device that is going to be connected to this extender is not PoE PD, please turn off the PoE output function.\*

## IMPORTANT:

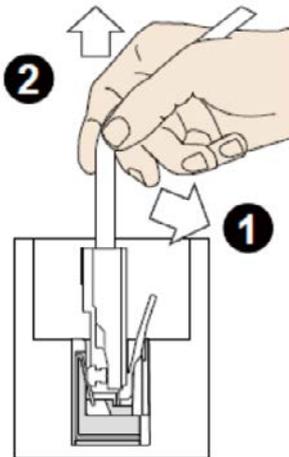
### NOTE:

The Outdoor PoE Extender must be grounded using a ground wire between the ground screw and earth ground.



## PoE Output Port

To disconnect a LAN cable, loosen the cable gland and pull the cable against the socket wall towards the side of the locking tab.

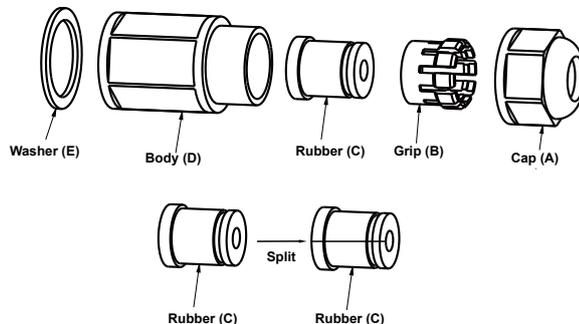


## PoE Input Port Connector Assembly

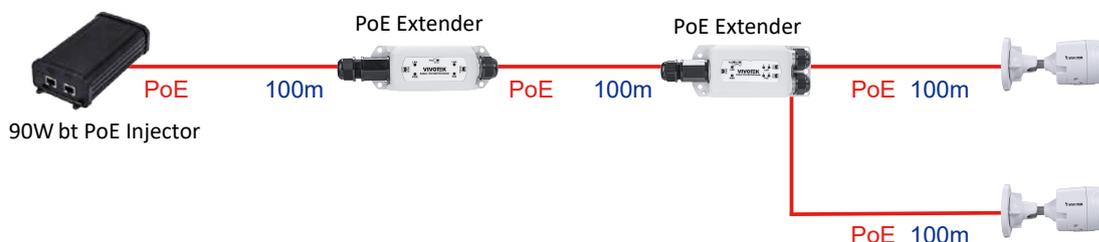
### IMPORTANT -

please follow the procedures below carefully to ensure the best seal:

1. Fit a RJ45 plug to the Cat5e/6 cable
2. Thread the Cat5e/6 cable through the cap(A) & grip(B)
3. Split rubber(C), rubber have two sizes for meet 4.5~6.5mm Cat5e/6 cable.
4. Fit the split rubber(C) over the Cat5e/6 cable
5. Thread the Cat5e/6 cable through the body(D)
6. Fit the washer(E) to the Outdoor PoE Extender connector
7. Plug the RJ45 connector on the Cat5e/6 cable into the Outdoor PoE Extender
8. Hold Outdoor PoE Extender and then screw the body(D) onto the Outdoor PoE Extender connector tighten firmly
9. Push rubber(C) in the grip(B) and screw the cap tighten firmly. The Cat5e/6 cable is sealed when the rubber(C) & grip(B) bulges to the edge of the cap(A).



## Application



All specifications are subject to change without notice.  
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