

INTRODUCTION

The H21-082-31-150 is an 8 port 10/100BaseT PoE switch capable of feeding 15.4/30W (54V max. per port) power to Power over Ethernet (PoE) devices. It comes with another 2x GbE combo ports.

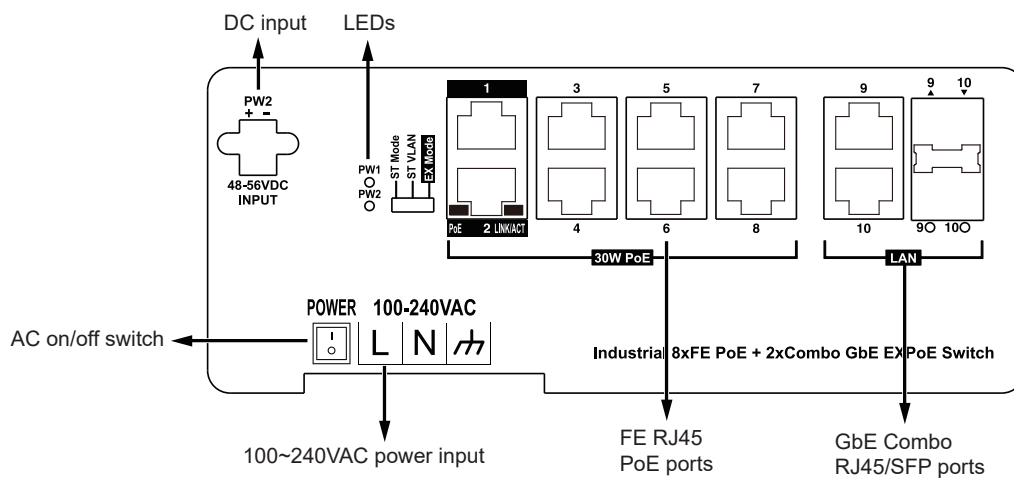
PACKAGE CONTENTS

* 1x PoE switch	* 1x Quick Installation Guide
* 1x T25 L-wrench	

⚠ IMPORTANT:

1. Install the PoE switch in a ventilated and dry place that is free of electromagnetic source, vibration, moisture, and dust.
2. Make sure the ventilation openings on the switch are not blocked.
3. Use CAT5 or 5e UTP/STP cables.
4. AC input (100~240V/AC, 50~60Hz)
5. IP67 rated housing
6. Although housing is IP67 rating, this is not suitable for water jets.

CONNECTION



EXTENSIVE MODE DIP SWITCH

ST Mode: normal communication between port 1~10.

ST VLAN: 1-8 port can be isolated each other but 1-8 port can connect to 9~10 port after open VLAN to stop broadcast Storm to increase forwarding rate of frame.

EX Mode: 1-8 port can be isolated each other but 1-8 port can connect to 9~10 port after open VLAN to stop broadcast storm to increase forwarding rate of frame. The EX mode (Port 1 & 2), Up to 250m PoE distance allows you to expand your network via Ethernet cable to where there is no power line or outlet but where you want to fix device such as IP Camera.

- EX mode reaches 802.3af(12.95W) camera up to 250m@10Mbps via EXPoE ports
- EX mode reaches 802.3at(24W) camera up to 200m@10Mbps via EXPoE ports

Restart the switch after changing the Extensive mode.

*Effect factors

1. Must connect a PoE PD.
2. Poor cabling quality with insufficient copper.
3. IP camera's networking design could not support 10Mbps@250m transmission.

**Suggestion

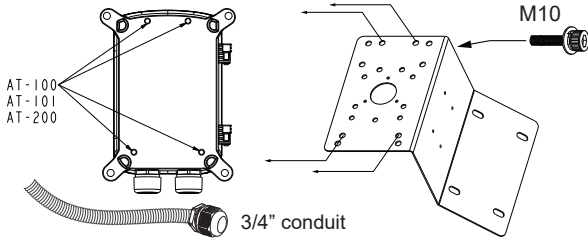
1. Checking the interoperability reaching 10Mbps@250m before physical deployment.
2. Adjust to "EX Mode OFF" reaching 10/100Mbps@100m if "EX Mode ON" is fail.

LED DEFINITIONS

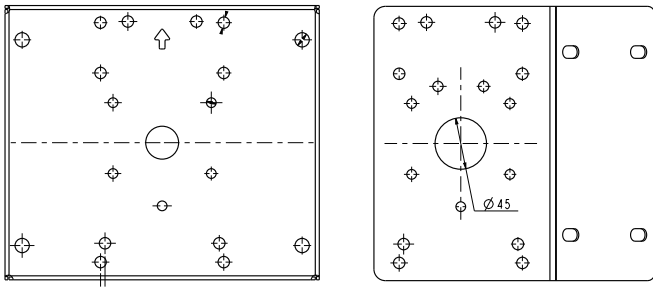
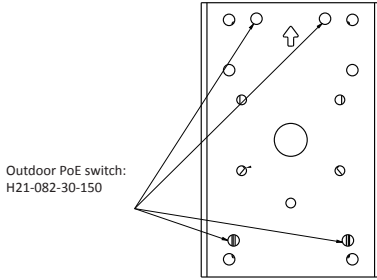
Power	Orange ON	Power is on and normal.
	Orange Off	Power is off.
Link/Act	Green ON	Ethernet port is connected.
	Green Off	No connection.
	Green blinking	Data is being transmitted or received.
9/10	Green ON	Link speed at 10/100/1000Mbps.
	Green Off	No connection.
PoE	Orange ON	Port is linked to a powered device.
	Orange Off	No device is connected.
	Orange blinking	Abnormal power supply is detected.

INSTALLATION

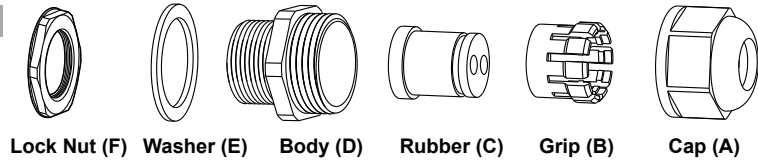
Use the included M10 hex socket screws to secure the power box to a pole-mount or corner mount bracket.



The mounting hole definition is illustrated below. The same mounting hole pattern apply to all pole-mount and corner-mount brackets.



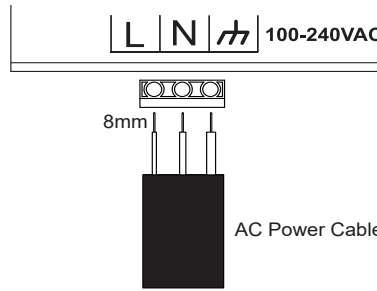
ASSEMBLE CABLE GLANDS



- Thread the Cat5e/6 cable through the cap(A) & grip(B)
- Split rubber(C), rubber have one sizes for meet 5.4~6mm Cat5e/6 cable.
- Fit the split rubber(C) over the Cat5e/6 cable
- Thread the Cat5e/6 cable through the body(D)
- Assemble the washer to the body.
- Mount the nut to the assemblage.
- Tighten the cap and the body together as the illustration shows.
- Tighten the whole assemblage to the full. See the illustration.

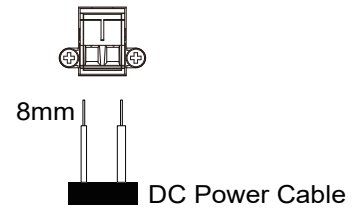
AC Power Cable Spec.

Wire Size	10~18AWG
Wire Strip Length	8mm



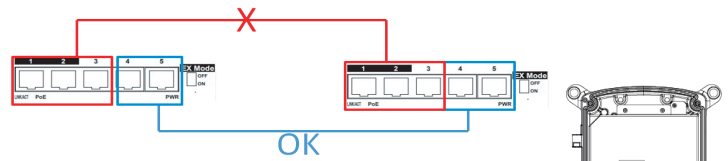
DC Power Cable Spec.

Wire Size	10~18AWG
Wire Strip Length	8mm

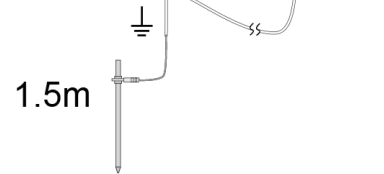


IMPORTANT:

- If the need should arise for connecting two outdoor switches, use the uplink ports #4 or #5. If you use PoE ports for cross-switch connections, the 12KV surge protection will not apply.



- The cabinet must be grounded using a ground wire between the ground screw and earth ground.



All specifications are subject to change without notice.
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