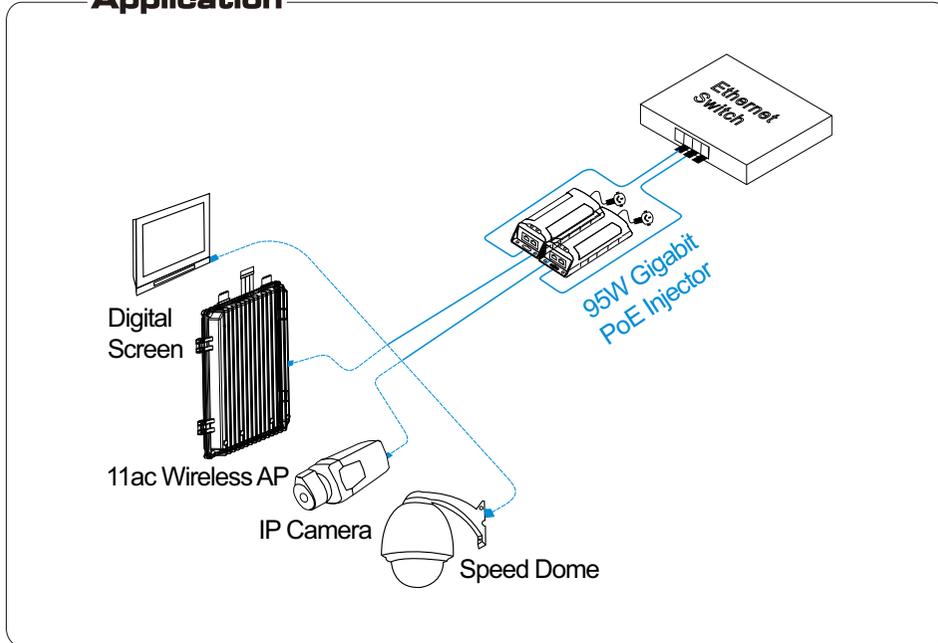


PoE Injector (Gigabit/95W) User Manual

13.238.101.1862
Ver 1.0

This is a single-port PoE injector with one Ethernet port, one PoE output port, and one AC power input port. It is compatible with mid-span and end-span PoE power method, the output power consumption can be up to 95W; It features:10/100/1000Mbps network port,100m transmission distance, 4KV lightning protection. it's an excellent choice for power supply and network transmission on PTZ speed dome, 11ac wireless AP, digital display system.

Application



Features

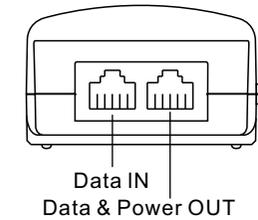
- PoE+ + power supply standard; Output power consumption can be up to 95W;
- IEEE 802.3af/at/bt, IEEE 802.3 10Base-T/100Base-TX/IEEE802.3ab 1000Base-T;
- Working Temperature: -10°C ~ 40°C;
- 4KV lightning protection; 8KV ESD protection;
- No fan, no noise, dust-proof;

Notice

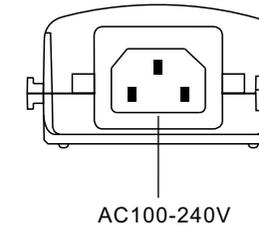
The transmission distance depends on the signal source and cable quality, standard Cat5e/6 cable is strongly suggested for reaching the maximum transmission distance!

Board Diagram

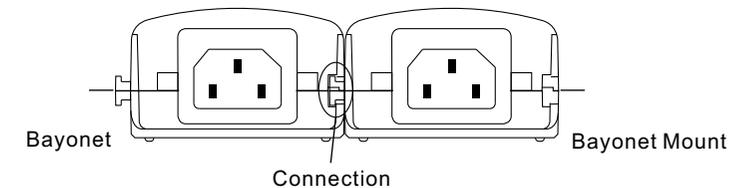
Front



Back



Bayonet



Installation

Please check the following accessory, if you find the item lost, please contact our local dealer.

- | | |
|------------------|-----|
| • PoE Injector | 1pc |
| • AC Power Cable | 1pc |
| • User Manual | 1pc |

Please follow installation steps as below

- 1) Turn off the system's power before the installation;
- 2) The Data&Power Out port of this injector is connected with PoE powered devices;
- 3) The Data Input of this injector is connected with switch of no PoE function;
- 4) Please connect PoE Injector with AC cable;
- 5) Please examine and power the system.

Specification

Item	Description	
Interface	Input Voltage	AC100V~240V
	Data Input	1×RJ45
	PoE output	1×RJ45
PoE	PoE Power Supply Type	Mid-span&End-span
	PoE Power Output	DC 56V 95 watts
	Output Ripple	< 5%
	Power Pin Assignment	1/2/7/8 (-) ,3/6/4/5 (+)
Ethernet Port	Communication Port	1×RJ45 Input
	TransmissionRate	10/100/1000Mbps
	Transmission Medium	Cat5e/6 Cable
	Distance	100m (Max.)
Protection	Surge Protection	2KV(Differential Mode),4KV(Common Mode)
	ESD	Direct discharge: 6KV, Air discharge: 10KV
Environment	Working Temperature	-10°C~40°C
	Storage Temperature	-30°C~70°C
	Humidity(Non-condensing)	5~85%
Mechanics	Dimension(LxWxH)	169mm×96.5mm × 42.5mm
	Material	ABS Plastics
	Color	Black
	Weight	769g

Product specifications subject to change without prior notice

Trouble Shooting

If any trouble in installation, please follow these steps

- Please make sure you have followed the instruction to install the device;
- Please confirm if the RJ45 cable order is in accordance with the EIA/TIA 568A or 568B industry standard;
- The power supply of PoE port is no more than 95W; please do not connect the network device whose power consumption is over 95W;
- Please replace a failure device with a proper one to check if the device is broken;
- If the problem still exist, please contact the local dealer.

RJ45 Making Method

Instruments to be used: wire crimper, network tester. Wire sequence of RJ45 plug should conform with EIA/TIA568A or 568B.

- 1) Please remove 2cm long the insulating layer, and bar the 4 pairs UTP cable;
- 2) Separate the 4 pairs UTP cable and straighten them;
- 3) Line up the 8 pieces of cables per EIA/TIA 568A or 568B;
- 4) Cut off the cables to leave 1.5cm bare wire;
- 5) Plug 8 cables into RJ45 plug, make sure each cable is in each pin;
- 6) Use the wire crimper to crimp it;
- 7) Repeat above 5 steps to make the another end;
- 8) Using network tester to test the cable whether is working.

pin	color
1	white/green
2	green
3	white/orange
4	blue
5	white/blue
6	orange
7	white/brown
8	brown



EIA/TIA 568A

pin	color
1	white/orange
2	orange
3	white/green
4	blue
5	white/blue
6	green
7	white/brown
8	brown



EIA/TIA 568B

⚠ Notice

- When choose RJ-45 make sure if one end is EIA/TIA568A,the other end should also be EIA/TIA568A.
- When choose RJ-45 make sure if one end is EIA/TIA568B,the other end should also be EIA/TIA568B.