

INJ-10G-90R

10G Ethernet 90W PoE Injector



Introduction

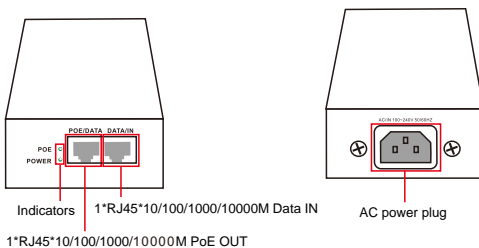
The INJ-10G-90R is a high-power 90W PoE++ IEEE802.3bt injector, EN55022 and CLASS B compliant, ideally suited for high-power PoE devices such as high-power wireless AP and high-speed PTZ/IR cameras. Injector can directly supply power to PoE receiving equipment, supporting protection functions such as input over-voltage and under-voltage, output over-voltage and output over-current and short circuit. Device is plug and play, requiring no configuration, simple and easy to operate.

Features

- ◆Compatible with IEEE802.3af/at/PoE++/bt PoE standards
- ◆High quality metal casing with good heat dissipation
- ◆Built-in AC power supply with wide 100-240V, 50/60Hz input
- ◆High-power PoE injector with wide IEEE compatibility and high reliability.
- ◆System reliability: MTBF>100k hours
- ◆Plug and play, no configuration required
- ◆Injector supports input over-voltage and under-voltage, output over-voltage and output over-current short-circuit protection
- ◆Conducted interference (CE) and radiated interference (RE), in accordance with EN55022 and CLASS B standards
- ◆No conductive dust and corrosive gas environment support
- ◆Surge protection: AC input terminal can withstand 5KB, 8/20uS impulse current

Diagram

1*RJ45*10/100/1000/10000M Data IN and 1*RJ45*10/100/1000/10000M PoE OUT



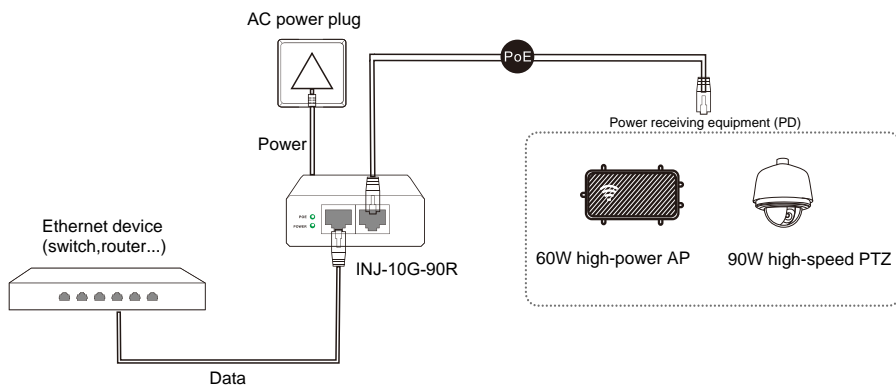
LED indicators

LED	State	Description
PoE	ON	PoE power is delivered to PD
	OFF	PoE off
Power	ON	Injector receives AC power
	OFF	No AC power

Applications

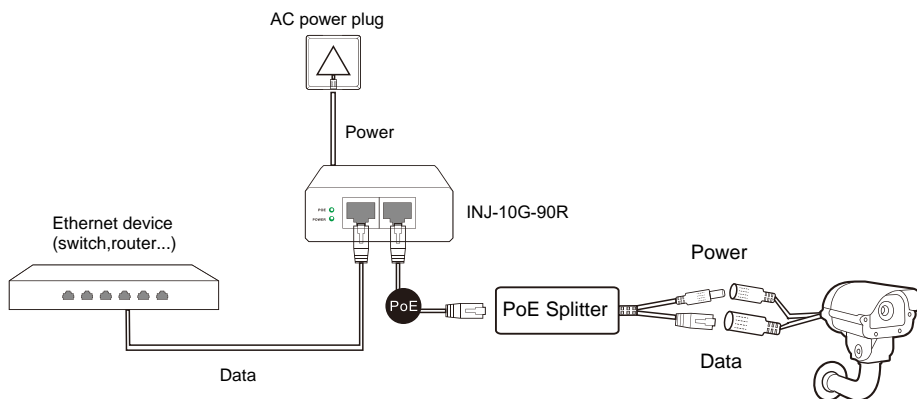
Scenario #1

The PoE injector supplies power and transmits data to PoE cameras, PoE AP, PoE IP phones and other powered devices through a network cable.



Scenario #2

PoE injector and PoE splitter are used together to power non-PoE equipment and transmit data.



Technical Specifications

Model	INJ-10G-90R
Port	1*RJ45*10/100/1000/10000M Data IN 1*RJ45*10/100/1000/10000M POE OUT
Power Pin	12+ 36- 45+ 78-
PoE Output	55V 2.2A
Watt	MAX120W
PoE Standard	IEEE 802.3af/at/PoE++/BT
Data Pins	12345678
Power Input	AC 100-240V 50/60Hz MAX 1.5A
Transmission	10Base-T: two pairs of Cat3 or later UTP/STP($\leq 100m$) 100Base-TX: two pairs of Cat5 or later UTP/STP($\leq 100m$) 1000Base-TX: two pairs of Cat5e or later UTP/STP($\leq 90m$) 10000Base-TX: two pairs of Cat6e or later UTP/STP($\leq 30m$)
Rate	Ethernet 10Mbps half duplex, 20Mbps full duplex Fast Ethernet 100Mbps half duplex, 200Mbps full duplex Gigabit Ethernet 2000Mbps full duplex 10G Ethernet 20000Mbps full duplex
Features	Plug and play, no configuration Under-voltage, over-voltage, over-current and short circuit protection Reliability, MTBF > 100K hours Compliant with EN55022, CLASS BCE, RE
Surge Protection	3KV 8/20us; 3KV ESD protection
Operation Environment	Operating Temperature:-10°C~65°C Storage Temperature:- 40°C~70°C
	Operating Humidity:10%~90% RH Non condensing Storage Humidity:5%~90% RH Non condensing
Product size/Packing size (L*W*H)	182mm x 72mm x 35mm 240mm x 95mm x 88mm
N.W/G.W (kg)	0.7kg/1.0kg