90W Gigabit PoE Injector
User Manual

Packing List

Please check the following items after unpacking, if any missing, please contact your local dealer.

Items	Quantity
PoE Injector	1 set
AC Power Cable	1 pc
Mounting Accessory	1 set
User Manual	1 pc

Product Overview

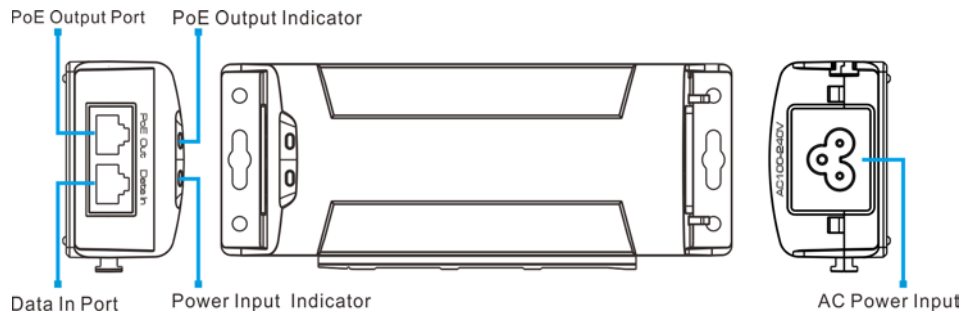The product is a 90W Gigabit PoE Injector.

It is a high-power PoE injector. They can easily achieve power over Ethernet without changing the original network equipment.

The 90W Gigabit PoE Injector meets IEEE 802.3af/at/bt standard. The PoE output port can deliver up to 90W power. It supports 10/100/1000/2500Mbps transmission rate, and the transmission distance is up to100m. The injector is designed with fanless, dust-proof shell, a wide operating temperature range from -5℃~45℃, 6kV surge protection, and noise-free.

The injector has high conversion efficiency (90%), lower heat radiation, and are plug-and-play. They are good choice for Ethernet power supply in security engineering and integrated wiring engineering.
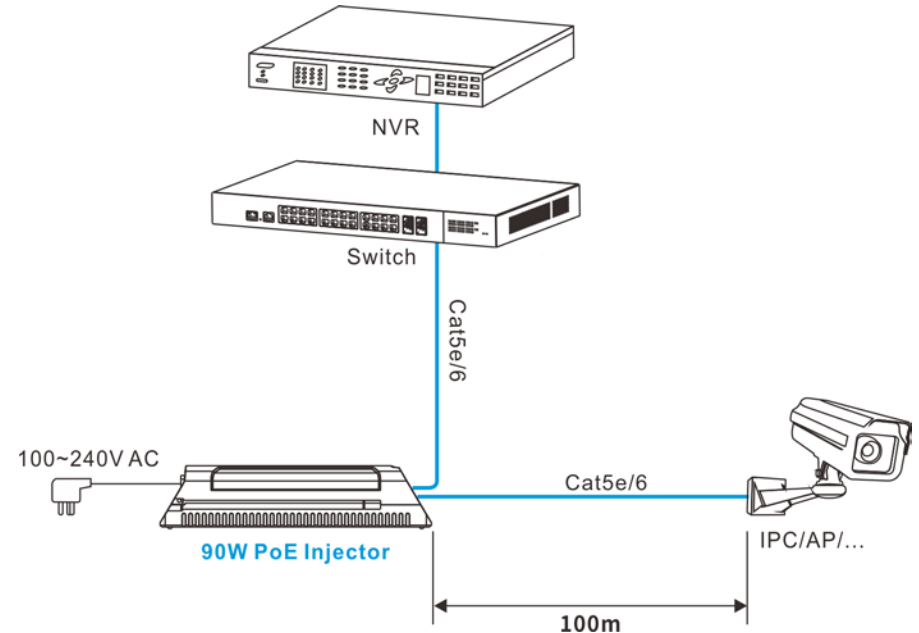
Panels

Panels

Indicators

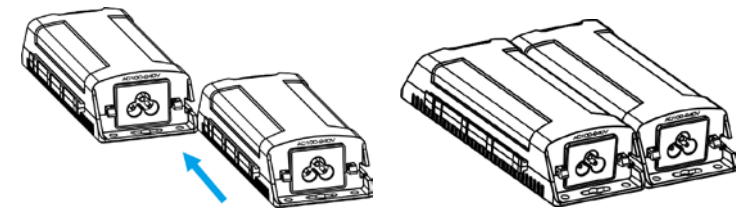| Port Indicators	Status	Descriptions
Power Input Indicator	On	The power is on.
	Off	The power is off.
PoE Output Indicator	On (Green)	The port is supplying PoE normally, the output PoE budget is 30W.
	On (Orange)	The port is supplying PoE normally, the output PoE budget is 60W.
	On (Red)	The port is supplying PoE normally, the output PoE budget is 90W.
	Off	The port stops supplying PoE.

Wiring

1) Turn off the system's power before the installation.
2) Connect the PoE Output Port of the injector with PoE IP Camera. And connect the Data Input Port of the injector with switch.
   Then connect PoE Injector to AC power with AC power cable.

Connecting Diagram

3) The injector supports desktop, wall mounted and rack installation. And they can be combined with each other by the bayonet to keep the wiring neat.
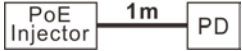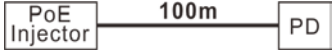

4) Check whether the wiring is correct and the connection is reliable. And power on the system after confirming.

◼ Specifications

Items	90W PoE Injector
Hardware Specification	
AC Power Input	AC 100V~240V
Data In Port	1* RJ-45 port
PoE Output Port	1*10/100/1G/2.5GBase-T PoE++ RJ-45 Port
Cable	Cat5e or better
Transmission Rate	10/100/1000/2500Mbps
Transmission Distance	100m (Max)
Dimensions (W*D*H)	160mm*64mm*37mm
Net Weight	200g±10g
Material	ABS Plastics
PoE	
PoE Standard	IEEE 802.3af/at/bt
PoE Power Supply Type	End-span
PoE Pin Assignment	3/6/4/5(+), 1/2/7/8(-)
PoE Power Output	54V DC
PoE Budget	90W @54V DC
Output Ripple	<5%
Environment	
Operating	Temperature: -5℃~45℃ Relative Humidity: 5%~85% (Non-condensation)
Storage	Temperature: -30℃~70℃ Relative Humidity: 5%~85% (Non-condensation)
Certifications	
Certifications	CE, FCC

◼ Transmission Performance

Input Power	Transmission Distance	Output Power
90W	PoE Injector — 1m — PD	90W
	PoE Injector — 100m — PD	80W