

Industrial High Power PoE Injectors

90W PoE++ IEEE 802.bt compatible (booster optional)

User Manual for INJ-H2G5-90R and INJ-H2G5-90-12R models

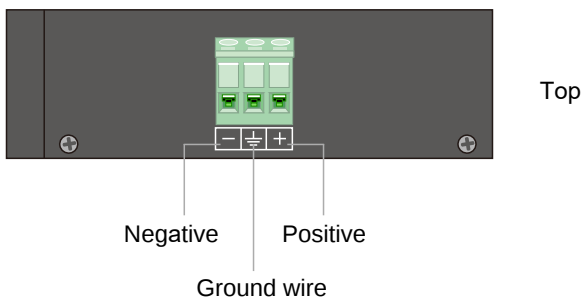
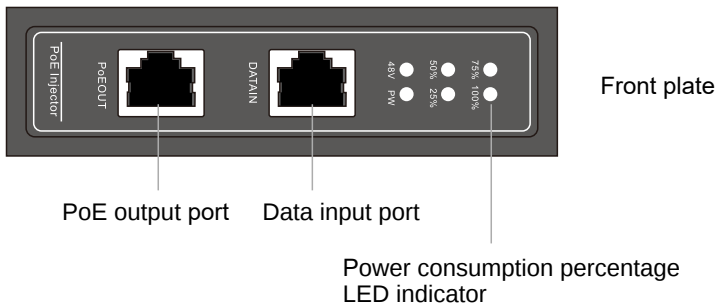
Introduction

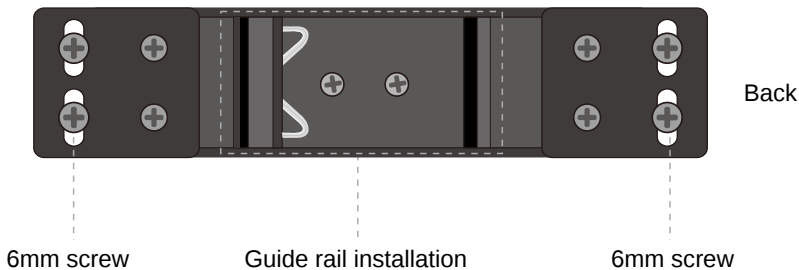
The INJ-H2G5 series of hardened 90W PoE injectors fully comply with EN55022 and class B standards. Injectors serve high power PoE PD equipment such as high-power wireless AP and high-speed PTZ/IR cameras. Injector can directly supply PoE power to PD receiving equipment and supports input over-voltage and under-voltage, output over-voltage and output over-current, and short circuit protection functions. Injectors are unmanaged, perfect plug and play devices, simple to install and easy to operate.

Features

- ◆ Operating temperature: -40°C ~ + 80°C
- ◆ Relative humidity: 5% ~ 90% RH
- ◆ Support 802.3af/at/HIPOE/BT PoE standards
- ◆ Plug and play without any configuration requirements
- ◆ Injectors have input overvoltage and undervoltage, output overvoltage, output overcurrent and short circuit protections
- ◆ Support 10/100M/1G/2.5G data transmission
- ◆ Operating environment: no conductive dust, no corrosive gas rating
- ◆ Surge protection characteristics: AC input terminal can withstand 5kV, 8/20us impulse current

Product display and description

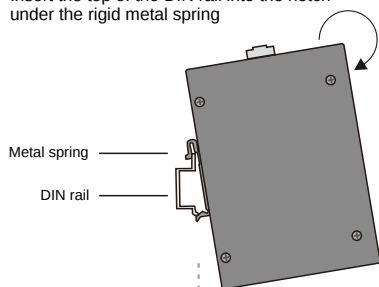




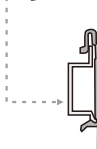
DIN rail and wall mounting

DIN rail mounting

- ① Insert the top of the DIN rail into the notch under the rigid metal spring

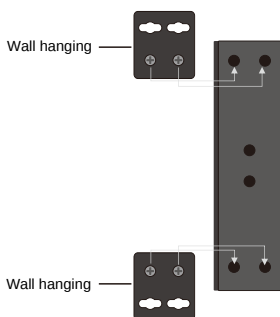


- ② Quickly install the DIN rail base unit in the position shown in the figure

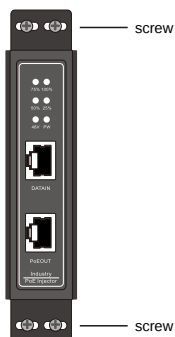


Wall mounted installation

- ① Install the wall mounted panel on the switch



- ② Connect the switch with screws Fixed to the wall vertically



Matters needing attention

1. Please read the operation manual carefully before use. Improper operation may cause damage to machine components.
2. Don't use in places near the fire source.
3. Don't put the product into water or wet the built-in machine components.
4. Don't short circuit the positive and negative poles of the battery interface with metal conductors.
5. Don't disassemble or unwrap the internal parts of the product. If there is damage, the manufacturer does not implement the insurance provisions.

Product supporting list

Power Supply



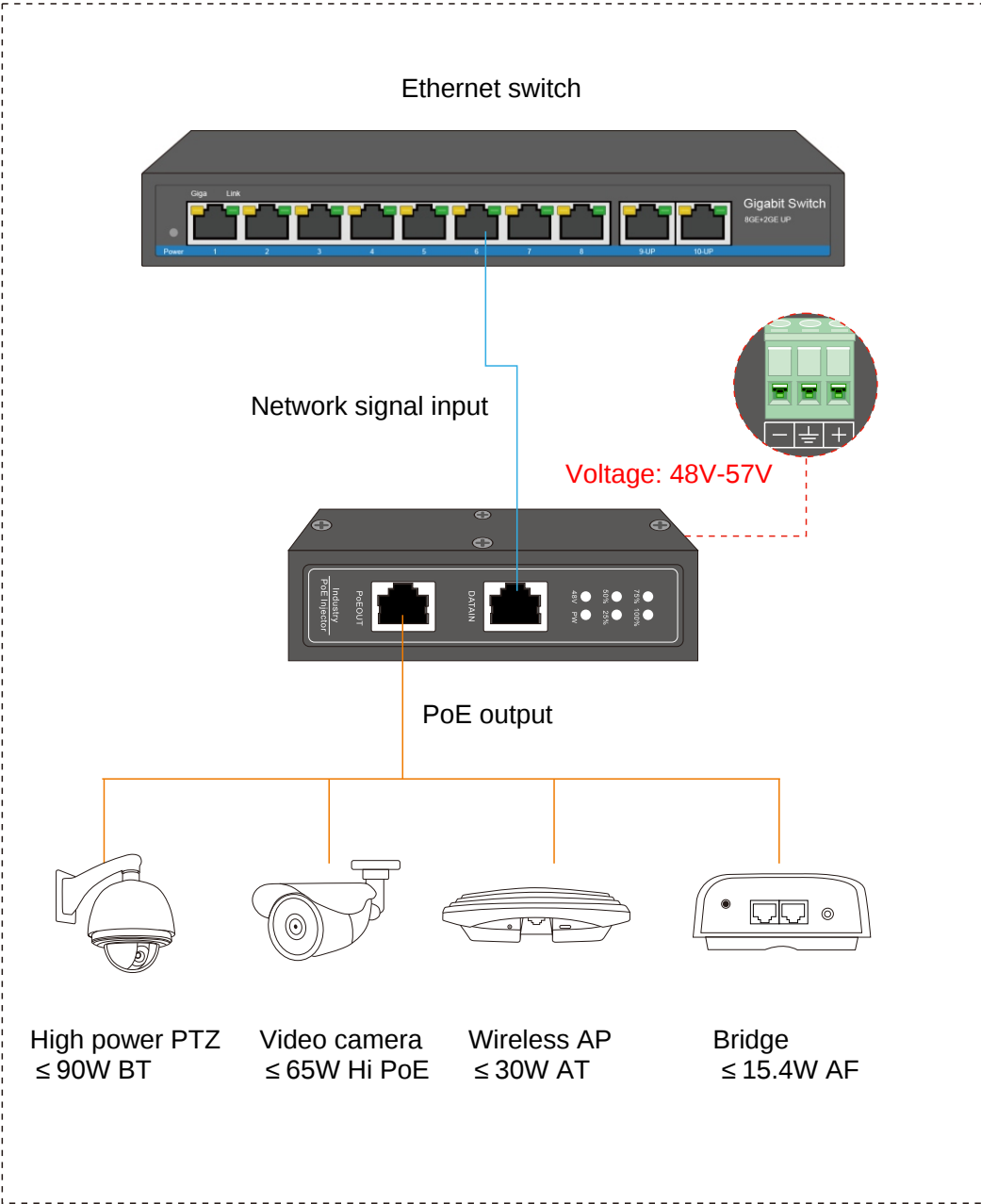
User manual+warranty card



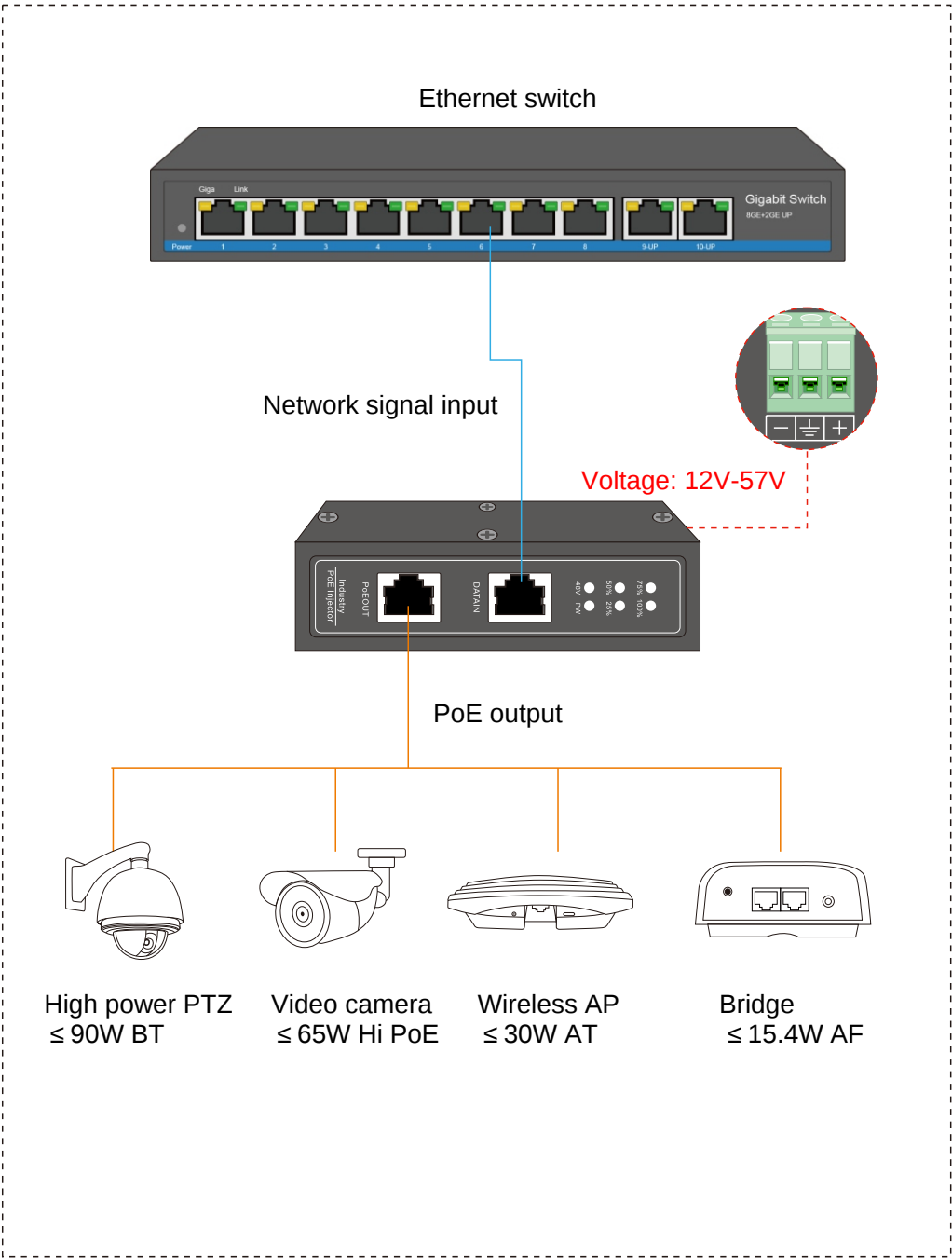
Wall mounted lug+guide rail



INJ-H2G5-90R Industrial PoE++ injector application diagram



INJ-H2G5-90-12R Industrial PoE++ injector application diagram



Technical Specifications

INJ-H2G5-90R PoE++ injector	
Ports	1*RJ45*10/100/1000M/2.5G Data in 1*RJ45*10/100/1000M/2.5G PoE out
Input voltage	DC: 48-57V
PSE pinout	1,2+ 3,6-/4,5+ 7,8-
Output power	15W/30W/60W/90W under IEEE802.3af/at/HiPOE/bt standards
Features	Plug and play, no configuration management Undervoltage, overvoltage, overcurrent and short circuit protection System reliability: MTBF>100k hours Comply to EN55022, CLASS BCE&RE
Surge protection	Port surge protection: 6kV 8/20us; 8kV ESD electrostatic protection
Use environment	Operating temperature: -40°C~+ 80°C Storage temperature: -50°C~+ 80°C
	Operational humidity: 10%~90% RH, non condensing Storage humidity: 5%~90% RH, non condensing
Product size (W*D*H)	110mm x 98mm x 31mm
Package size (W*D*H)	260mm x 132mm x 41mm

INJ-H2G5-90-12R PoE++ injector	
Ports	1*RJ45*10/100/1000M/2.5G Data in 1*RJ45*10/100/1000M/2.5G PoE out
Input voltage	DC: 12-57V
PSE pinout	1,2+ 3,6-/4,5+ 7,8-
Output power	15W/30W/60W/90W under IEEE802.3af/at/HiPOE/bt standards
Features	Plug and play, no configuration management Undervoltage, overvoltage, overcurrent and short circuit protection System reliability: MTBF>100k hours Comply to EN55022, CLASS BCE&RE
Surge protection	Port surge protection: 6kV 8/20us; 8kV ESD electrostatic protection
Use environment	Operating temperature: -40°C~+ 80°C Storage temperature: -50°C~+ 80°C
	Operational humidity: 10%~90% RH, non condensing Storage humidity: 5%~90% RH, non condensing
Product size (W*D*H)	110mm x 98mm x 31mm
Package size (W*D*H)	260mm x 132mm x 41mm