



# 10/100/1000Mbps Industrial Booster Ultra PoE++ Injector



## IES102G-BT90-IPS

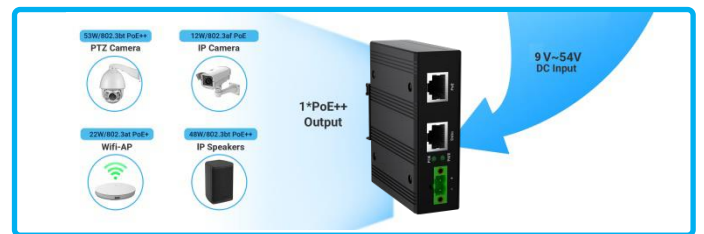


### Key Features:

- Ports:** Provide 1\*Gigabit PoE++ ports, 1\*Gigabit RJ45 Uplink
- PoE Standard:** IEEE802.3af/at/bt Power over Ethernet (PoE) Compliant Up to 90W
- Power Voltage:** Ultra wide pressure input DC 9V~54V
- Self-adaption:** RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX.
- Wide Application:** Designed for Long-Range Wifi AP and PTZ IP Security camera, VoIP etc
- Surge protection:** Protect the device from lightning surges and others electrical hazards
- Working Temperature:** -40 to 75 degrees operating temperature
- Considerate Design:** IP40 Industrial design with dual power input

### 9V~54V to PoE Conversion

This PoE++ injector features integrated voltage boosting. It accepts ANY 9-54V DC input - harnessing solar panels (12V), vehicle batteries (12V), building power (24V), or industrial systems (36/48/54V) to power it. And output 802.3bt 90W PoE.



<b>PoE++ (802.3bt)</b> up to 60 W per port				
<b>PoE+ (802.3at)</b> up to 30 W per port				
<b>PoE (802.3af)</b> up to 15.4 W per port				

### Up to 90W PoE++ Output

Delivers up to 90W PoE++ (802.3bt) per port—powering high-demand devices like PTZ cameras, Wi-Fi 6/6E access points, and outdoor LED displays with a single cable. Reduces wiring complexity and enables long-distance power delivery over Ethernet.

### Extreme Environment Ready

This outdoor PoE++ injector's IP40 dustproof shield defends against sandstorms. Survives punishing -40°F to 167°F (-40°C to 75°C) swings—from Alaska winters to Arizona summers. No weather downtime on oil rigs, construction sites or remote towers.

The graphic shows a split background of a snowy mountain range on the left and a desert landscape on the right. A thermometer icon is positioned between them, with '-40°C' on the left and '75°C' on the right. Below the thermometer, the text reads: 'Wide temperature design work well in different harsh environment'.

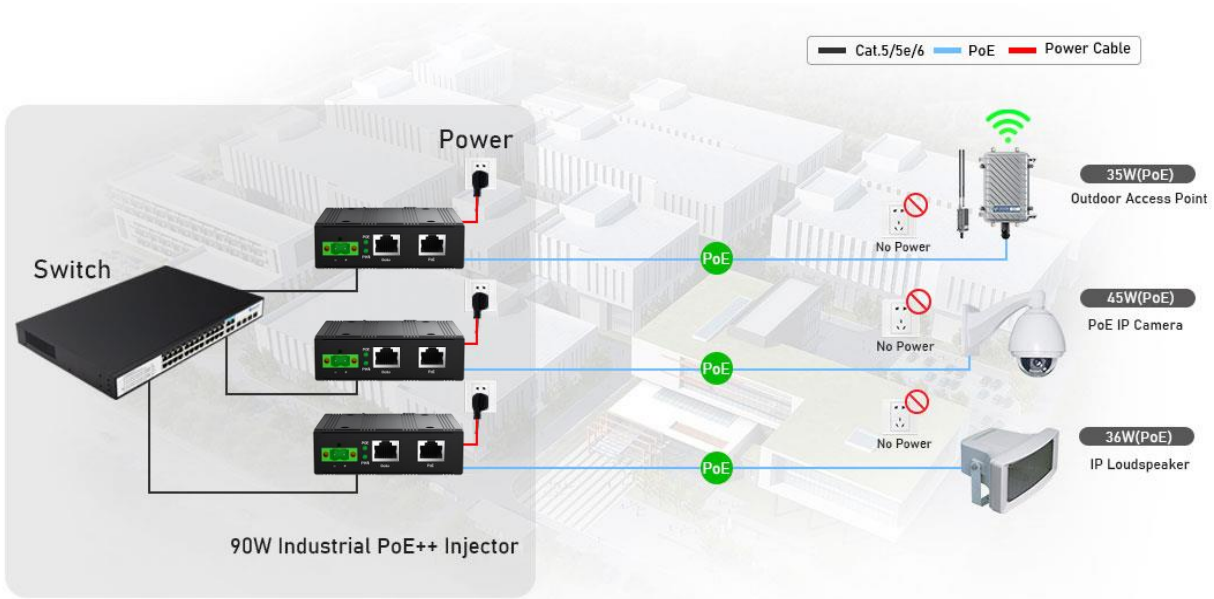
# IES102G-BT90-IPS

## Industrial 90W PoE++ Injector

### Technical Datasheet

<b>Model</b>	<b>IES102G-BT90-IPS</b>
<b>Hardware Specifications</b>	
Connector	2* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports
PoE Port	1* PoE++ PSE port (Up to 90W)
LED indicators	Power Indicator: PWR(Green). PoE/ Network Working Indicator: PoE(green)
Power Connector	Removable 4-pin terminal block Pin +/- for Power 1
Power Requirements	9~54V DC, 6A (max.)
Power Consumption/ Dissipation	Max. 2 watts (system on) Max. 90 watts (Full loading)
ESD Protection	Contact Discharge 6KV DC, Air Discharge 8KV DC
Enclosure	IP40 aluminum case
Thermal Fan	Fanless Design
Installation	Din Rail
Dimension(WxDxH)	30mm x 65mm x 95mm(1.18in x 2.56in x 3.74in)
Weight	0.3Kg
<b>Switching Specifications</b>	
Network standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3z 1000BASE-X IEEE802.3x Flow Control
<b>Environment</b>	
Safety	FCC Part15 Class A,CE.RoHs
Stability Testing	IEC 60068-2-32 (free fall) IEC 60068-2-27 (shock) IEC 60068-2-6 (vibration)
Environment specification	Operating temperature: -40℃~75℃, operating humidity: 5%~95% Storage temperature: -40℃~75℃, storage humidity: 5%~95%
<b>Power over Ethernet (PoE) Specifications</b>	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE IEEE 802.3bt Power over Ethernet Plus/PSE
PoE Supply Type	1/2/4/5(+), 3/6/7/8(-)
PoE Power Output	max. 90 watts
PoE Power Budget	DC 12V input: PoE Output Total Budget: 72W DC 24V input: PoE Output Total Budget: 90W DC 48V~54V input: PoE Output Total Budget: 90W

## Application



### Ordering Information

IES102G-BT90-IPS

10/100/1000Mbps Industrial Booster Ultra PoE++ Injector, 90W, DIN-Rail Mount, DC 9-54V Input

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