

Specification



ETZ-PSE-GE90I



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

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ETZ-PSE-GE90I

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 10V~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

12V~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.



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.



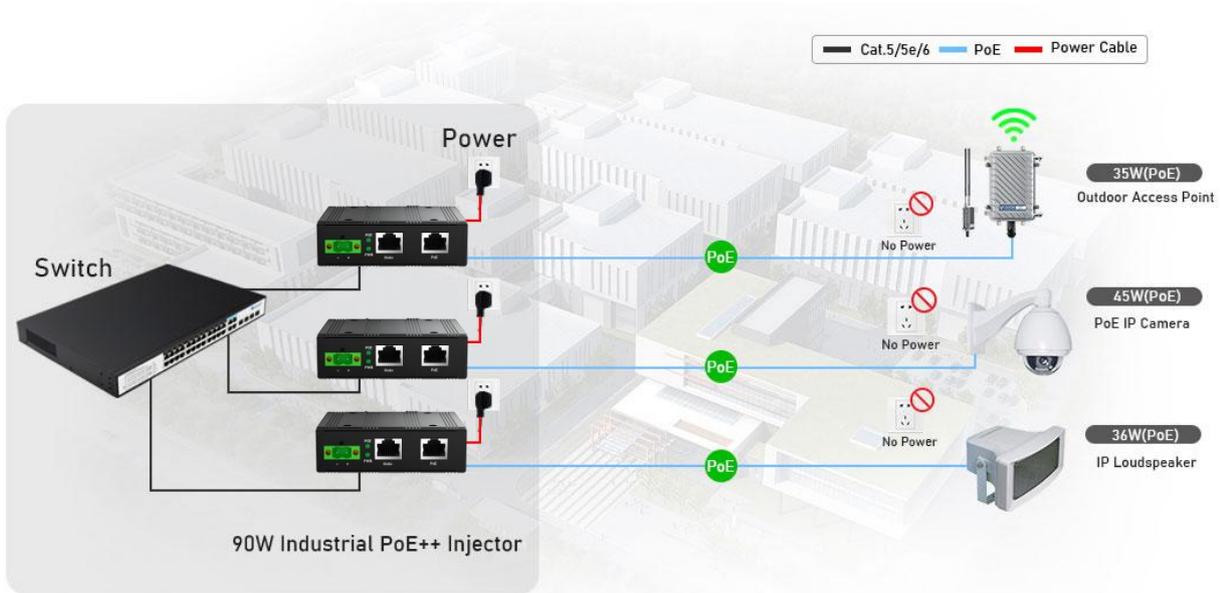
ETZ-PSE-GE90I

Technical Datasheet

Model	ETZ-PSE-GE90I
Hardware Specifications	
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	10~54V 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(W×D×H)	30mm x 78mm x 95mm(1.18in x 3.07in x 3.74in)
Weight	0.3Kg
Switching Specifications	
Network standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3z 1000BASE-X IEEE802.3x Flow Control
Environment	
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%
Power over Ethernet (PoE) Specifications	
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

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Application



Ordering Information

ETZ-PSE-GE90I

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