



Gigabit IP67 outdoor waterproof PSE injector

FS-PSE90W/FS-PSE90W-10G

FS-PSE90W-UPFS-PSF90W-UP-10G

Product Introduction

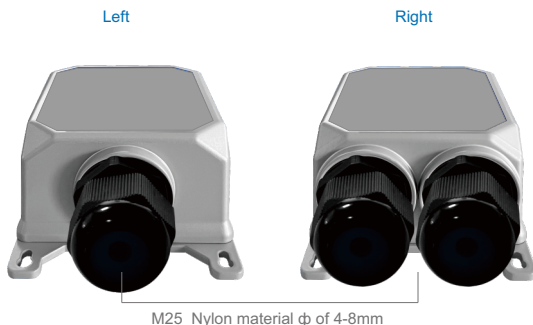
IP67 outdoor waterproof PoE power supply, can load electrical energy onto the network cable for transmission, with a maximum output power of 90W. No configuration required, plug and play. Can provide power to network cameras, APs, and other devices that support standard PoE power supply. Easy to manage and maintain, meeting users' networking needs for network devices in complex outdoor environments. Suitable for network access, aggregation, and core in various demanding indoor and outdoor application scenarios such as companies, campuses, hotels, corporate parks, and large factories.

Product characteristics

- ◆ Using aluminum alloy die cast body and nylon to break the limitations of application environment, with a waterproof level of up to IP67
- ◆ Φ of 4-8mm network cable
- ◆ Breaking through the limitations of indoor and outdoor application environments, easily extending the PoE transmission distance
- ◆ 8KV air discharge, 8KV ESD electrostatic protection, 6KV lightning protection
- ◆ Stable extension of transmission distance without slowing down
- ◆ High quality design effectively ensures the stability and reliability of equipment operation

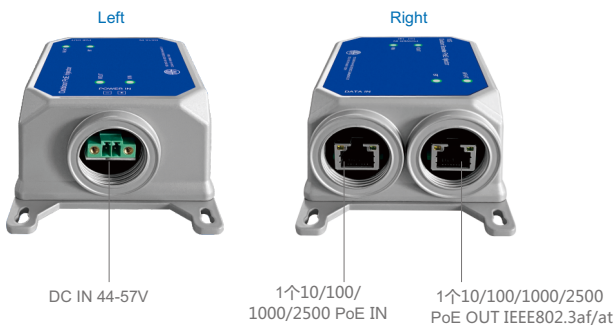
Product display and description

Schematic diagram with waterproof cable sealing cover

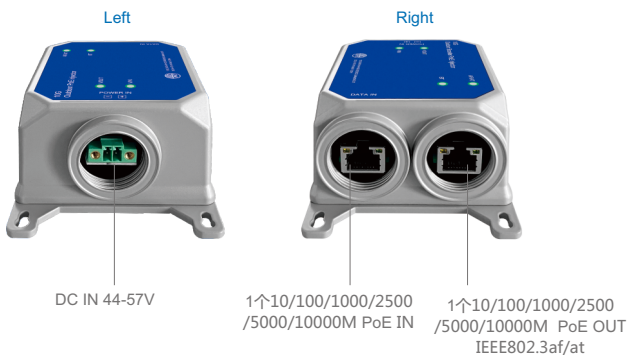


Schematic diagram without waterproof cable sealing cover

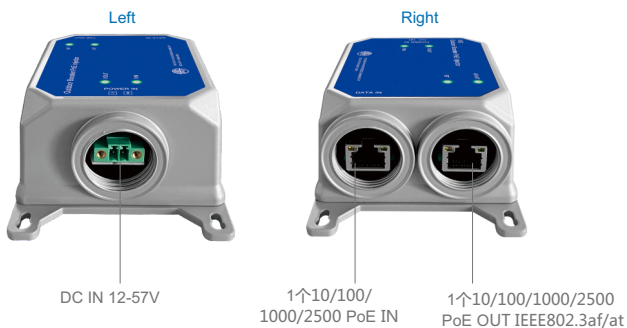
FS-PSE90W



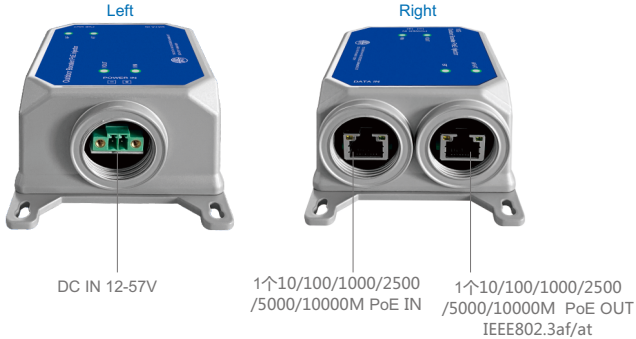
FS-PSE90W-10G



FS-PSE90W-UP



FS-PSE90W-UP-10G



▲ Applied to complex and harsh working environments

Industrial grade working temperature: -40℃~80℃

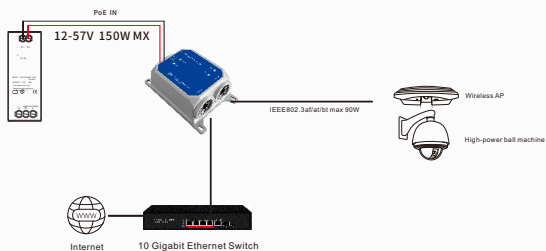


▲ Lightning protection and anti-static measures

Thunderstorm weather equipment will not be affected either

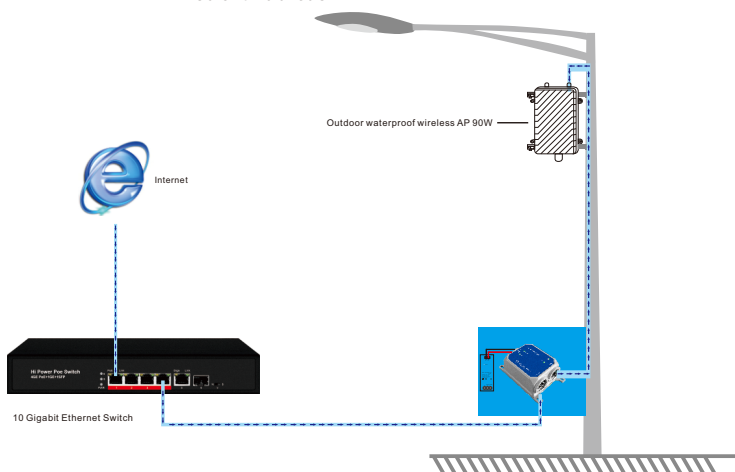


- ▲ **Supports the highest industry standard IEEE802.3af/at/bt , with an output power of up to 90W**
Under IEEE802.3bt, the output power of the extender can reach up to 60W, which has significant advantages in large ball machines and high-power APs, perfectly solving the



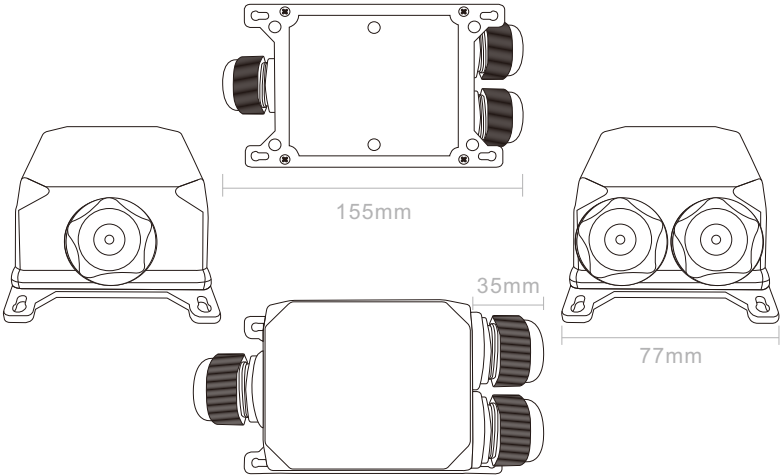
Product Connection Diagram

Scene diagram—— Scene diagram - application of intelligent street lamp posts
In scientific areas

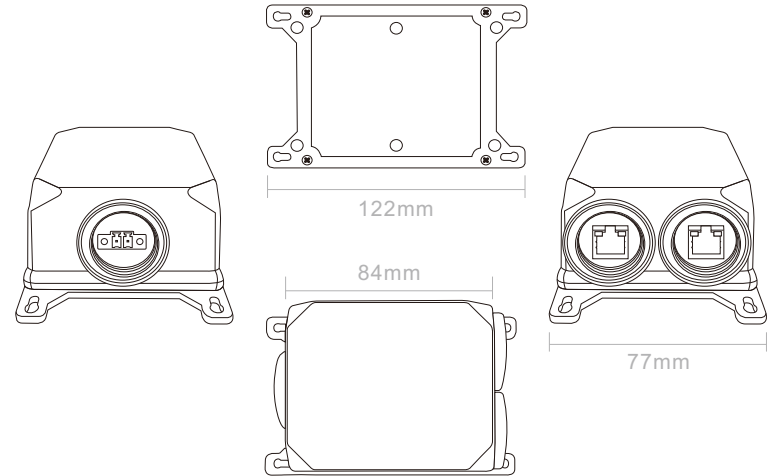


Product diagram

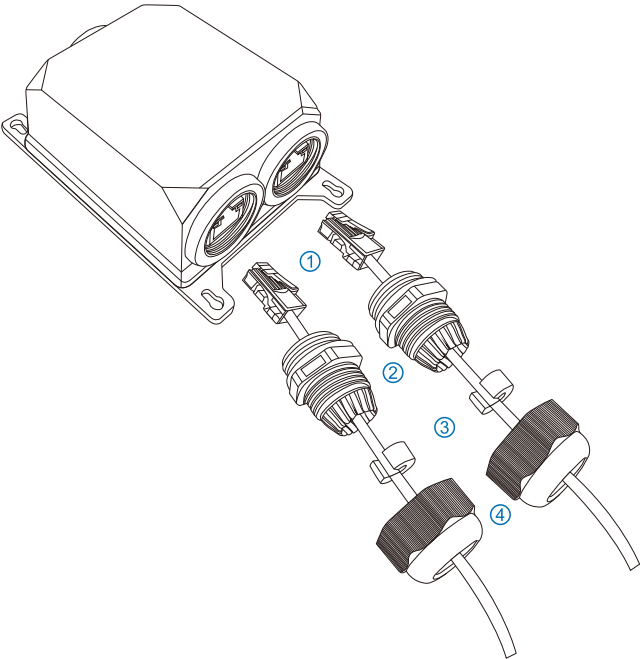
Schematic diagram with waterproof cable sealing cover



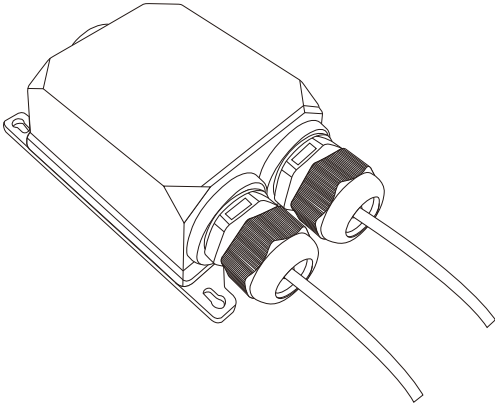
Schematic diagram without waterproof cable sealing cover



Connection Splitting Diagram



Connection Diagram



Hardware parameters

Model	FS-PSE90W	FS-PSE90W-10G	FS-PSE90W-UP	FS-PSE90W-UP-10G
Product name	Gigabit IP67 outdoor waterproof PSE injector	Gigabit IP67 outdoor waterproof PSE injector	Gigabit IP67 outdoor waterproof PSE injector	Gigabit IP67 outdoor waterproof PSE injector
Material	Aluminum die-casting body Nylon waterproof joint	Aluminum die-casting body Nylon waterproof joint	Aluminum die-casting body Nylon waterproof joint	Aluminum die-casting body Nylon waterproof joint
Waterproof grade	IP67	IP67	IP67	IP67
Wire diameter	Support network cables with a Φ of 4-8mm	Support network cables with a Φ of 4-8mm	Support network cables with a Φ of 4-8mm	Support network cables with a Φ of 4-8mm
transfer rate	1*10/100/1000/2500BASE-TX in 1*10/100/1000/2500BASE-TX out	1*10/100/1000/2500/5G/10G RJ45 in 1*10/100/1000/2500/5G/10G RJ45 out	1*10/100/1000/2500BASE-TX in 1*10/100/1000/2500BASE-TX out	1*10/100/1000/2500/5G/10G RJ45 in 1*10/100/1000/2500/5G/10G RJ45 out
DC input	DC 44-57V	DC 44-57V	DC12-57V MAX 140W	DC12-57V MAX 140W
PoE output standard	Supports standard IEEE802.3af/at/bt, PoE output up to 90W	Supports standard IEEE802.3af/at/bt, PoE output up to 90W	Supports standard IEEE802.3af/at/bt, PoE output up to 90W	Supports standard IEEE802.3af/at/bt, PoE output up to 90W
PoE power polarity	12 + 45+ 36- 78-	12 + 45+ 36- 78-	12 + 45+ 36- 78-	12 + 45+ 36- 78-
Distance	10BASE-T : Cat3,4,5 UTP($\leq$ 250 meter) 1000BASE-TX : Cat5 or later UTP(150 meter) 1000BASE-TX : Cat6 or later UTP(100 meter) 2500BASE-TX : Cat6 or later UTP(100 meter) 5G-TX : Cat6 or later UTP(90 meter)	10BASE-T : Cat3,4,5 UTP($\leq$ 250 meter) 1000BASE-TX : Cat5 or later UTP(150 meter) 1000BASE-TX : Cat6 or later UTP(100 meter) 2500BASE-TX : Cat6 or later UTP(100 meter) 10G-TX : Cat6 or later UTP(30 meter)	10BASE-T : Cat3,4,5 UTP($\leq$ 250 meter) 1000BASE-TX : Cat5 or later UTP(150 meter) 1000BASE-TX : Cat6 or later UTP(100 meter) 2500BASE-TX : Cat6 or later UTP(100 meter)	10BASE-T : Cat3,4,5 UTP($\leq$ 250 meter) 1000BASE-TX : Cat5 or later UTP(150 meter) 1000BASE-TX : Cat6 or later UTP(100 meter) 2500BASE-TX : Cat6 or later UTP(100 meter) 5G-TX : Cat6 or later UTP(90 meter) 10G-TX : Cat6 or later UTP(30 meter)
LED indicator light	PW: Power in led 48V: Input voltage is normal A/rat: Port a/rat PoE out ON Bt: Port Bt PoE out ON	PW: Power in led 48V: Input voltage is normal A/rat: Port a/rat PoE out ON Bt: Port Bt PoE out ON	PW: Power in led 48V: Input voltage is normal A/rat: Port a/rat PoE out ON Bt: Port Bt PoE out ON	PW: Power in led 48V: Input voltage is normal A/rat: Port a/rat PoE out ON Bt: Port Bt PoE out ON
Operating Temperature /Humidity	-40 ~ 80°C ; 5% ~ 90% RH Non coagulation	-40 ~ 80°C ; 5% ~ 90% RH Non coagulation	-40 ~ 80°C ; 5% ~ 90% RH Non coagulation	-40 ~ 80°C ; 5% ~ 90% RH Non coagulation
Storage Temperature /Humidity	-40 ~ 90°C ; 5% ~ 95% RH Non coagulation	-40 ~ 90°C ; 5% ~ 95% RH Non coagulation	-40 ~ 90°C ; 5% ~ 95% RH Non coagulation	-40 ~ 90°C ; 5% ~ 95% RH Non coagulation
Product/Packing size (L*W*H)	155mm*77mm*43mm 160mm*85mm*47mm	155mm*77mm*43mm 160mm*85mm*47mm	155mm*77mm*43mm 160mm*85mm*47mm	155mm*77mm*43mm 160mm*85mm*47mm
N.W/G.W (kg)	0.27kg/0.31kg	0.27kg/0.31kg	0.27kg/0.31kg	0.27kg/0.31kg
Installation	Desktop, wall installation	Desktop, wall installation	Desktop, wall installation	Desktop, wall installation
Lightning Protection level	8KV-AIR 8KV-ESD 6KV-Lightning IP30	8KV-AIR 8KV-ESD 6KV-Lightning IP30	8KV-AIR 8KV-ESD 6KV-Lightning IP30	8KV-AIR 8KV-ESD 6KV-Lightning IP30
Certificate	CE-EMC EN55032:CE-LVD EN62368; FCC Part 15 Class B;RoHS;	CE-EMC EN55032:CE-LVD EN62368; FCC Part 15 Class B;RoHS;	CE-EMC EN55032:CE-LVD EN62368; FCC Part 15 Class B;RoHS;	CE-EMC EN55032:CE-LVD EN62368; FCC Part 15 Class B;RoHS;
Warranty	Whole device for 1 year(Accessories not included)	Whole device for 1 year(Accessories not included)	Whole device for 1 year(Accessories not included)	Whole device for 1 year(Accessories not included)

Attention

To avoid equipment damage and personal injury caused by improper use, please follow the precautions as below:

!During the installation process, the power should be maintained in a power-off state.

!The switch can only work normally under the correct power supply. Please confirm that the power supply voltage is consistent with the voltage marked by the switch.

!Before switch on, please make sure that it will not cause overload of the power circuit, so as not to affect the normal operation of the switch or even unnecessary damage.

!In order to avoid the danger of electric shock, do not open the shell up when the switch works, even in the case of no live current, do not open.

!Don't place other heavy objects on the surface of the switch to avoid accidents.