

Waterproof Gigabit PoE Surge Protector
Model Number: SP-005POEWM1

Product Description:



SP-005POEWM1 is Waterproof Gigabit PoE Surge Protector. It is used for equipment protection of lightning (overvoltage) invading along network cables. It is widely used in outdoor environments for telecom, communication, traffic, petrochemical and industrial control system, such as PoE network switches, PoE cameras and other PoE devices protection.

Product Features:

- ◆ Compatible for 10/100/1000Mbps PoE and network
- ◆ Support 1, 2, 3, 6 or 4, 5, 7, 8 power line protection at the same time
- ◆ Reasonable circuit design, very low insertion loss
- ◆ Special signal isolation technology, reduce network devices strike from surge

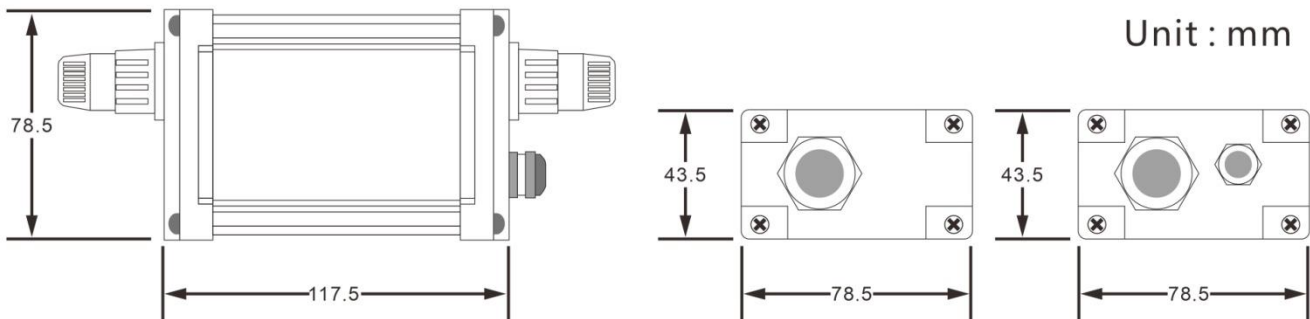
Housing Parameter:

Category	Description
Protection Class	IP67
Housing Material	Aluminum Alloy
Flame Retardant Class	V-1
Interface Material	304 Stainless Steel
Dimensions (L x W x H)	117.5x78.5x43.5mm
Sealing Element	Silicone Ring

Technical Parameter:

Category	Description	
Protected Signal	Network	Power
Working Voltage Un (V)	5	48
Limiting Voltage Up (V)	≤6	≤60
Voltage protection level Up(V)	60	400
Response Time (ns)	≤ 1	≤ 25
Transmission Rate (bit/s)	1000M	
Normal Discharge Current In (kA)	2.5	
Maximum Discharge Current Imax	5	
Insert Loss (dB)	≤0.2	
Terminal Type	RJ45	
Net Weight (g)	370	
Working Temperature	-40℃ ~ +80℃	
Working Humidity	<95% Non-condensation	

Dimension:



Installation Instructions:

To ensure a safe and effective installation of SP-005POEWM1 Waterproof Gigabit PoE Surge Protector, please follow these steps carefully:

Prepare the Device:

Start by removing the side panels located on both sides of the device's housing. This will grant access to the internal ports and components.

Loosen Waterproof Joints:

Loosen the waterproof joints to ensure that the cables can be inserted smoothly.

Cable Installation:

Route the network cable through the waterproof joint and into the interior of the housing. Make sure the cable is positioned correctly and securely.

Connect the RJ45 Connector:

Insert the prepared RJ45 connector into the designated port within the housing. Ensure that the connection is firm and stable.

Grounding Wire Installation:

Thread the grounding wire through the specified port inside the housing. This step is crucial for the device's surge protection capabilities.

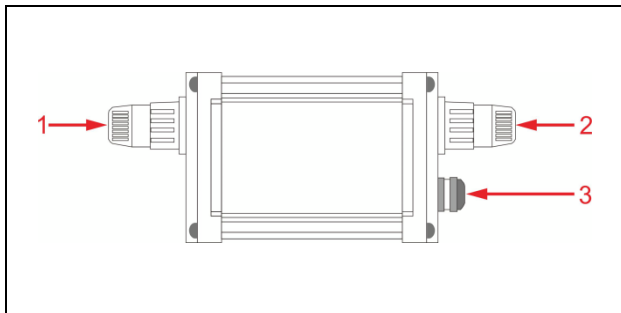
Secure the Waterproof Joint:

Once all cables are in place, lock the waterproof joint to ensure a watertight seal, protecting the connections from environmental factors.

Reattach the Side Panels:

Tighten the side panels back onto the housing with screws, ensuring that the device is closed and sealed properly.

Connection Steps:

	NO	Step
	1	Connect the protected device of computer and network switches to OUT (1)
	2	Connect CAT5/6 Cable to IN (2)
	3	Connect ground lead (3) to the grounding device

Use Tips:

1. This product is connected in series. It has a professional protection level and can be used in outdoor environments.
2. Select products with the same type of interface as the device to be protected.
3. For the surge protector, IN is the input, and OUT is the output. The input end should be connected to the external line, while the output end should be connected to the input end of the protected device.
4. The PE (Protective Earth) line of the surge protector must be reliably connected to the ground wire of the lightning protection system. The connecting wire should be short, thick, and straight.
5. The surge protector should be regularly inspected during its use. If a fault occurs, it should be repaired or replaced in time to ensure equipment safety.
6. If the product fails, do not disassemble it yourself; please return it to the manufacturer for repair.