

PD-OUT/SP11

Outdoor PoE Lightning Surge Protector



Summary

The PD-OUT-SP11 is a high-quality surge protection device designed to protect indoor Ethernet networks from lightning that may come from outdoor environments through the Ethernet cable. The product is enclosed in a metal weatherproof enclosure, meeting IP66. It can be easily mounted on a wall or a pole. The PD-OUT/SP11 can be installed before the cable enters the building to protect the indoor network or immediately adjacent to the wall- or pole-mounted outdoor device (i.e. WLAN AP, IP Camera, etc).

Features

- Supports data rates of up to 1 Gbps
- Protects up to 10 kV surge
- All eight lines protected including PoE
- Waterproof—IP66 rated
- UL Certified
- Can be wall or pole mounted

Specifications

Feature	Description
Number of Ports	1
Data Rate	10/100/1000 Mbps
Standards	IEC61643-21, GR1089, ITU-T K.45
Surge Capability	10 kV 5 kA 8/20 μ s Common Mode
DC Input	Up to 95W Up to 2A
Dimensions	L x W x H 190 mm x 30 mm x 30 mm 7.48 in. x 1.18 in. x 1.18 in.
Net Weight	300g
Connectors	Shielded RJ-4
Environmental	Operating Ambient Temperature: -40°F to +185°F (-40°C to +85°C) Operating Humidity: Maximum 90%, Non-Condensing Storage Temperature: -40°F to +185°F (-40°C to +85°C) Storage Humidity: Maximum 95%, Non-Condensing
Hazardous Substances	CE, WEEE
Warranty	3 years
Extended Warranty Available	No
Reliability	MTBF: 400,000 hrs. @ 25°C
Safety Approvals	UL 497B
Other Standards and Approvals	Dust and Water Intrusion: EN60529 Weather Ratings: IP66

Technical Support

For technical support, please visit the Microchip Technical Support Portal at www.microchip.com/support.

Ordering Information

Part Number	Name	Description
PD-OUT/SP11	PoE Surge Protector	Surge protector for Ethernet networks with outdoor PoE midspans and powered devices.

Contact Microchip for other options

About Microchip mPoE



Microchip multi-Power over Ethernet (mPoE) is a technology that powers any wired network device seamlessly and efficiently, making it the ideal solution for Ethernet-based applications. Leveraging a uniquely designed algorithm, this technology solves interoperability issues between different PoE standards and legacy solutions to provide an international network power standard. As a pioneer in PoE technology, we offer a comprehensive end-to-end portfolio of PoE solutions comprised of PoE ICs and PoE systems (midspans/injectors and switches).