



Gigabit Outdoor 110W PoE Surge Protector



Quick Installation Guide
DN-95425

1. Introduction

DN-95425 is a single-port PoE surge protector designed for exterior applications with an IP 67 rated Aluminum alloy case. It supports 8 lines network signals and provides surge protection for PoE wires. The maximum common mode surge voltage is 10KV (10/700us) and max differential mode surge voltage is 6KV (10/700us). It supports 10/100/1000Mbps of data rates. Ideal for 110W (max) PoE wires and well protects your devices against surge damage. Designed for outdoor use, the DN-95425 operates from -40°C to +65°C in an IP67 enclosure and works with voltage 60 Vdc (Max). Equip port should always be connected to device which you want it to be protected.

2. Features

1. Maximum common mode surge voltage is 10KV (10/700us)
2. And max differential mode surge voltage is 6KV (10/700us)
3. Supports 10/100/1000Mbps of data rates
4. Ideal for 110W (max) PoE wires
5. IP 67 ideal designed for outdoor use

3. Package Contents:

- 1x PoE Surge Protector
- 1x Ground lug Wire: 16AWG
- 1x QIG



4. Product Specification

Standard	<ul style="list-style-type: none">• IEEE802.3 10Base-T Ethernet• IEEE802.3u 100Base-Tx Fast Ethernet• IEEE802.3ab 1000Base-T Gigabit Ethernet• Support PoE wire with IEEE802.3af/at standards• Support 110W PoE++ standards• RoHS Compliance• WEEE Compliance
Operating Voltage	44-57Vdc, (Max 60Vdc)
Maximum Operating DC Current	1A for 2 pairs, 2A for 4 pairs, maximum 110W
Power Pins	4/5(+), 7/8(-) and 3/6(+),1/2(-)
Data Speed	10/100/1000Mbps
Operating Temperature	-40°C to 65°C
Operating Humidity	20% to 80%, non-condensation
Storage Temperature	-40°C to 85°C
Storage Humidity	10% to 95%, non-condensation

Operating Altitude	Up to 5000meters
Max Discharge Current	20KA(8/20us,2.5KA per line)
Protected Line	1,2,3,4,5,6,7,8
Common Mode Protection Level (10/700us)	10KV
Differential Mode Protection Level (10/700us)	6KV
Clamping Voltage (Line to GND)	122.5V max
Clamping Voltage (Line to Line)	26.7V max
Insertion Loss @10MHz/100MHz	-1db
Return Loss @10MHz/100MHz	-20db
Response Time	5ns
Case	Aluminum alloy
Color	White
Mounting	Wall-mounted
IP Rated	IP67
Size	209 X 53 X 37.5mm
Weight	380g

5. Product Overview



1. Equip: Protected equipment connect to Equip Port
2. Earth
3. Mounting Hole
4. Line: Lighting Surge Input Port

6. Product diagram



1	AC Power	3	Network Camera
2	PoE Switch		

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