

## Proxim Outdoor 10 Gigabit PoE Surge Protector

CPN #949-00169



Proxim 10 Gigabit PoE Surge Protector provides superior lightning and surge protection for both indoor and outdoor 10 Gigabit Ethernet / PoE++ Networks.

For outdoor environment, Proxim Gigabit PoE Surge Protector supports IP65 water proof level. In addition, the unit is compatible with 802.3bt Power-over-Ethernet (PoE) devices. Integral to the design is protection for the four Ethernet data pairs and the PoE DC power feed. This unit supports normal and reverse polarity PoE.

- 10G Base-T CAT6/6A and CAT7 protection.
- Waterproof level is up to IP65.
- Easy wall or pole mounting
- State of the art hybrid surge protectors with Silicone Avalanche Suppressor Diodes (SASD) and Gas Discharge Tube (GDT)
- Protection against external lightning or internal switching events
- RoHS Compliant

### Ordering Information

CPN	Description
949-00169	10 Gigabit Surge Protector with shielded RJ45

## Environment & Mechanical

Operating Temperature	-40 to +65 °C / -40 to +149 °F
Storage Temperature	-40 to +75 °C / -40 to +167 °F
Environmental Protection	IP65
Grounding	10 - 12 AWG Ring Terminal
Mounting	Wall / Pole (screws, anchors, hose clamps not provided)
Dimension	4.5 x 4 x 1.7 in. / 114.3 x 101.6 x 43.2 mm
Weight	0.4 lbs / 181.5 g

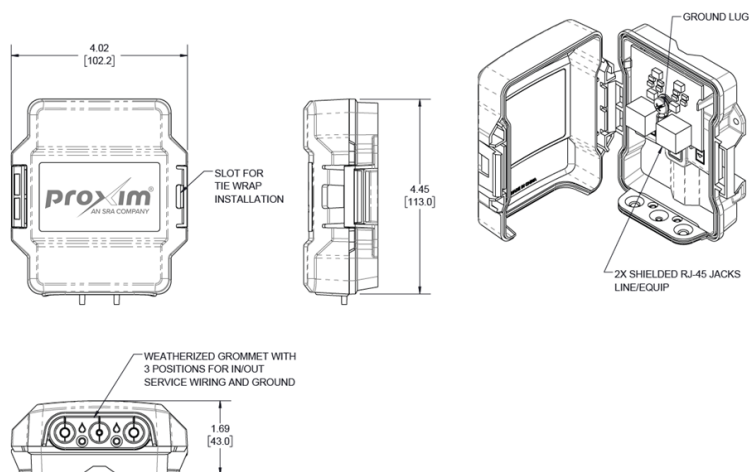
## Electrical Rating

Connectors	Shielded RJ45
Compatible Cables	CAT6/6A STP & CAT7 STP
Data Rate	10 Gbps
Characteristic Impedance	100 Ohms
VDC Rating (Data)	48 VDC typical, 60 VDC max
PoE Power	up to 100 W
PoE Current Per Pin	up to 1.5 A

## Surge Protection

Technology	SASD & GDT
Protected Pins	Four pairs: 1&2, 3&6, 4&5, 7&8
Protection Modes	L-G and L-L
8/20 $\mu$ s Surge Current	
L-G	1 kA
L-L	0.5 kA
Response Time	5ns

## Schematics



## Package Contents

- One 10 Gigabit Surge Protector
- One Quick Install Guide

## ABOUT PROXIM WIRELESS:

Proxim Wireless is a global leader in advanced wireless broadband and WiFi solutions that deliver high performance and high availability communications. Celebrating 40 years of pioneering wireless solutions, Proxim is recognized for unparalleled reliability, superior performance, and drive for innovation.

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