

## Description

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Outdoor GigE surge suppressor with midspan POE insert/extract. Configuration via jumper plugs allow any combination of polarity and pair use with up to 1.25 amps per pair. If all 8 wires are configured as the same polarity, 5 amps can be conveyed. This device will power 802.3af/at devices or extract power from a POE powered circuit. This device is also designed to protect GigE over copper equipment in an outdoor environment. Shielded RJ45 jacks provide grounds to shielded plugs.

## Applications

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- Backhaul radios
- Point to point microwave radio powering
- Installed at outdoor tower colocation sites
- Conveying power over unused Cat5/6 cables
- Emergency spare POE
- Pulling power from POE circuits
- Powering Cameras
- Up to 68 volts AC or DC
- Note: Does not allow "split pair" powering for devices like Canopy PMP100, for "split pair" powering use our 444SMT surge suppressor.

## Features

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- GigE Ethernet surge suppression design with low clamp voltages
- Shielded RJ45 connectors provide a ground to shielded plugs
- Ultra fast suppression - typically less than 1.0ps from 0 Volts to BV min
- Faster acting than Thyristor and Gas Tube only designs
- Lower loss and crosstalk than Thyristor based designs
- Ethernet CRC error correction circuit
- Tool-less entry
- Cover is hinged
- Dust tight
- Back knockout feature for concealing wires
- Ultra fast suppression - typically less than 1.0ps from 0 Volts to BV min
- Up to 1.25 amp per pair POE capability
- Any polarity on any pair - total flexibility

## Specifications

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### *Electrical Specifications*

Attenuation	3dB @ 1000Mhz
NEXT Increase	0.2dB
Return Loss Decrease	0.3dB
Clamping Voltage	HV Version 69 Volts

### *Mechanical Specifications*

Height	5.5 inches
Width	4.4 inches
Net Weight	.35 lbs (.15kg)