



Proven, Fast, Reliable

Gigabit PoE Surge Arrestor

Model #: WG-300-LA-POE, WG-300-LA-POE-i

For use on data/power lines running over Ethernet at 1000, 100, 10 Mbps.

AIRAYA Gigabit PoE Surge Arrestors provide cost-effective surge protection for 10/100/1000 Mbps Ethernet Interfaces.

Additional Features

- For use with Wireless Base Station Equipment, Wireless CPE Equipment, GPON Systems, VoIP Phones, IP Video Surveillance Systems
- Protects all 8 pins for complete protection of RJ-45 connections
- Versions for OEM integration and standalone use
- IEC 61000-4-2 Compliant - (ESD) $\pm 15\text{kV}$ (air), $\pm 8\text{kV}$ (contact)
- IEC 61000-4-4 (EFT) Compliant up to 40A (5/50ns)
- IEC 61000-4-5 Compliant - (Lightning) 24A (1.2/50 μs)
- Telecordia GR-1089 Compliant
- ROHS Compliant



MADE IN USA

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WG-300-LA-POE



WG-300-LA-POE-i

Common Applications

- Wireless Access Points
- Wireless Base Stations/CPE
- IP Video Surveillance Cameras
- Wired Ethernet Switch ports
- Voice Over IP Phones

Features

- Cost-effective surge protection for sensitive electronic products
- Protection for all 8 lines of the RJ-45 data connector
- Full compatibility with Gigabit, Fast Ethernet and 10BaseT Ethernet Interfaces
- Standalone and PCB Versions

Electrical Specifications

Max Peak Pulse Power (tp = 8/20 μs)	800 Watts
Max Peak Pulse Current (tp = 8/20 μs)	40 Amps
Ethernet Connectors	RJ-45 Jacks (2 Unshielded)
Data Line Clamping Voltage	+/- 90 Volts
Power Line Clamping Voltage	+/- 90 Volts
Compliance	ROHS, Telecordia GR-1089, IEC 61000-4-2 (ESD), IEC 61000-4-4 (EFT), IEC 61000-4-5 (Lightning)

Mechanical Specifications

Enclosure Material	White ABS or PCB
Operating Temperature	-22° F to 158° F (-30° C to 70° C)
Weight	< 1 lb.
Dimensions	OE-G-LA-POE: 2.1" x 2.83" (5.34cm x 7.19cm) OE-G-LA-POE-i: 1.8" x 2.35" (4.57cm x 5.97cm)
Made in USA	PCB and enclosure designed and manufactured in the USA

Models and Ordering Information

WG-300-LA-POE	AIRAYA branded Gigabit Surge Arrestor. White ABS Enclosure,
WG-300-LA-POE-i	PCB Board Version of Gigabit Surge Arrestor
OE-G-LA-POE	OEM Version – White ABS Enclosure. No Markings
OE-G-LA-POE-i	OEM Version – PCB Only, No enclosure.