POE-ISP+

1/2.5Gbps Multi Giga Ethernet PoE Pass-through Surge Protector

EAN Code : 4712757150117

Introduction

The **CERIO POE-ISP+** is a PoE Pass-through Ethernet Surge Protector provides superior lightening and surge protection over 1/2.5Gbps Multi Gigabit networks speeds to provide 1/2.5Gbps Ethernet speed Power-over-Ethernet (PoE) over a single Ethernet cable. It provides durable design featuring a higher surge capability and lower clamping voltage. And the 10 kA Impulse Discharge Current guarantees reliable surge protection. The advantage of **POE-ISP+** surge protector design is the added level of protection due to its large power rating and fast discharge time.

Higlight Features

- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3bz 2500Base-T standards.
- Supports 1/2.5Gbps Multi Gigabit Ethernet speed and Power over Ethernet (PoE) pass through.
- Load current self-protection mechanism and grounding wire function pulse discharge current protection design.
- Built in grounding pad which can connect to grounding cable to lower clamping voltage for better and more reliable protection and supports 10 kA Impulse Discharge Current.
- Supports 2 protection mode : Line-to-Ground and Line-to-Line.
- Protects all Eight(8) pins of the Ethernet cable.
- Plug and Play, no software required.
- Supports desktop , multiple units combination and wall mounting easy to use.

Functionality

The CERIO POE-ISP+ PoE Pass-through Ethernet Surge Protector can function as a transmitter for a PoE switch to deliver power and data through an Ethernet cable. This device protects all 8 pins and is compatible with all types of RJ45 cables. The PoE Ethernet Surge Protector can handle data rates of up to 2500 Mbps, and is backwards compatible with older 10/100 Mbps ports.

Surge Protection

CERIO POE-ISP+ provides higher surge capability and lower clamping voltage. It is compliant with IEC/EN 61643-21 and IEC/EN 61000-4-5 standard. The benefit of **CERIO POE-ISP+** includes maximize surge capability and enhancing reliability device safety.

Additional Benefits

Some additional benefits of CERIO PoE Surge Protector include cost saving, small pocket size and convenience in network planning, and higher reliability.

Easy installation

The **CERIO PoE Surge Protector** is simple Plug-and-Play, requires no configuration.

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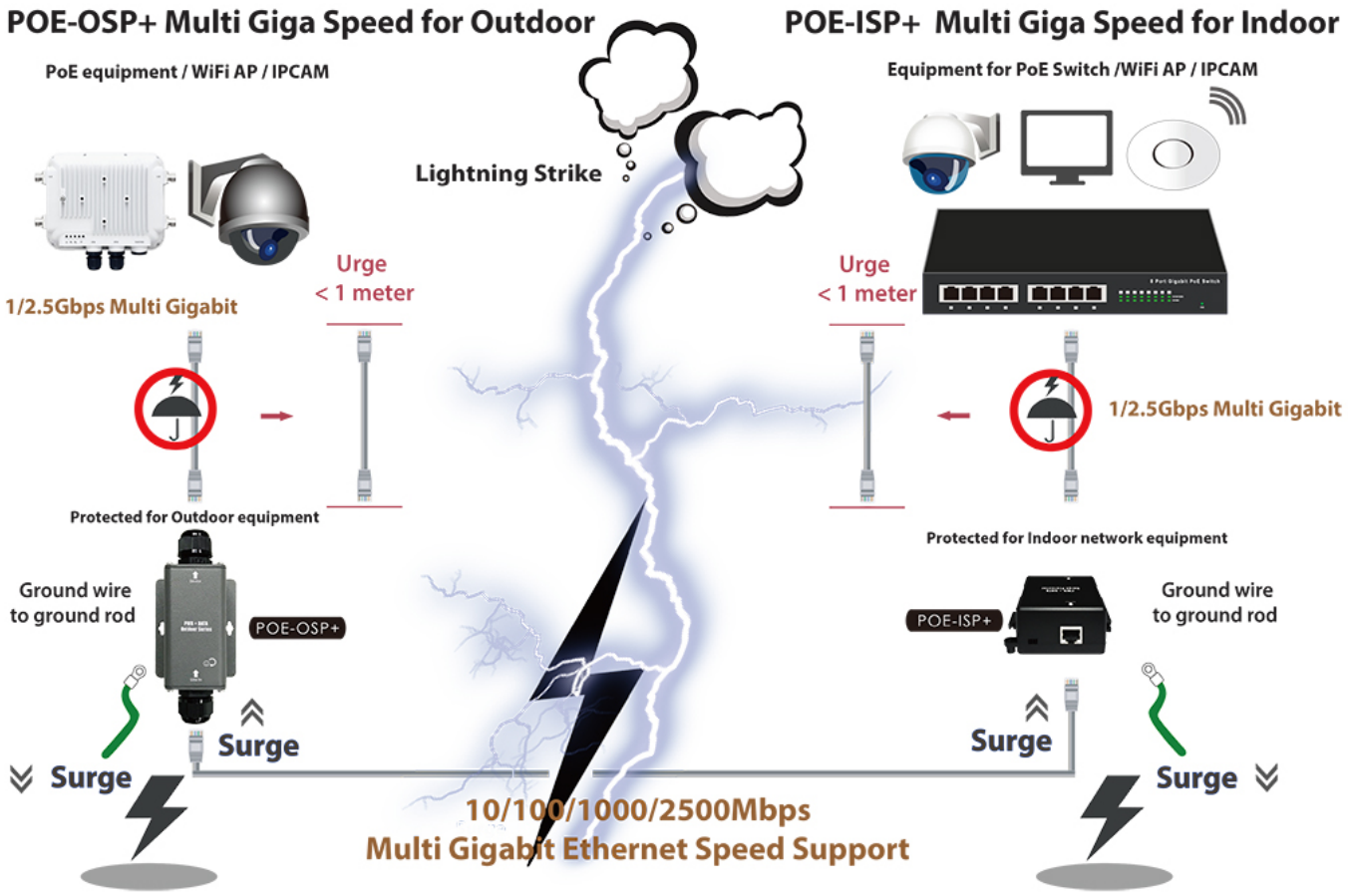
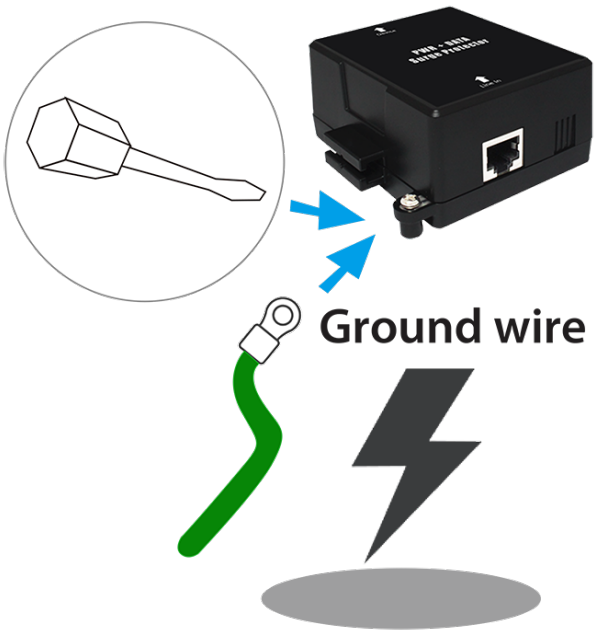
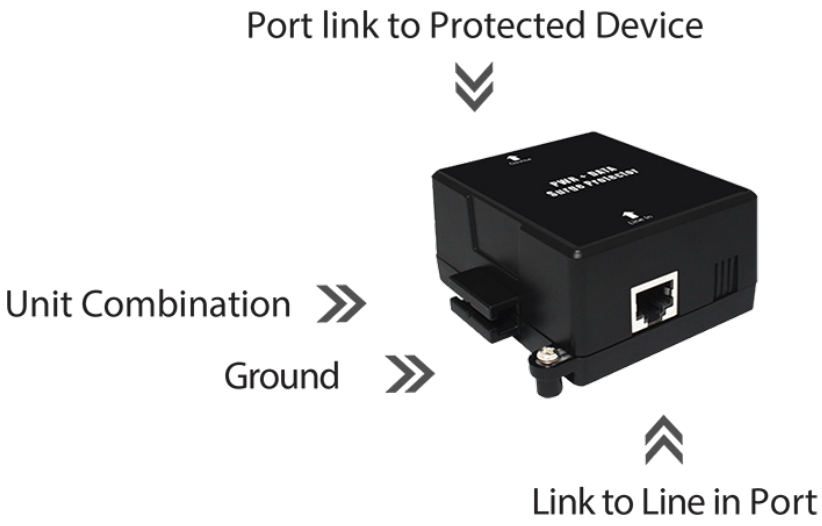
Product Application

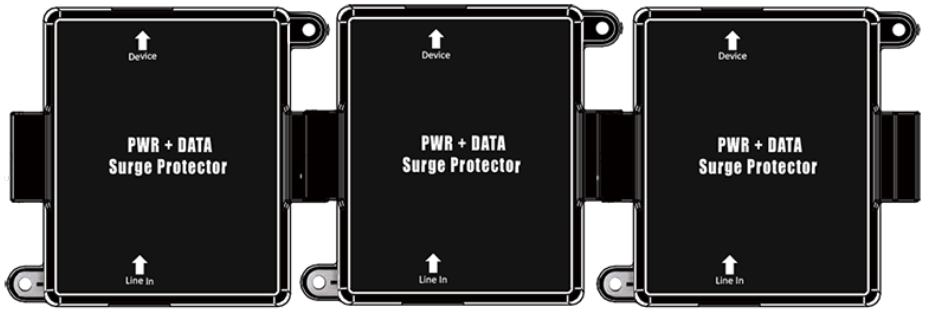


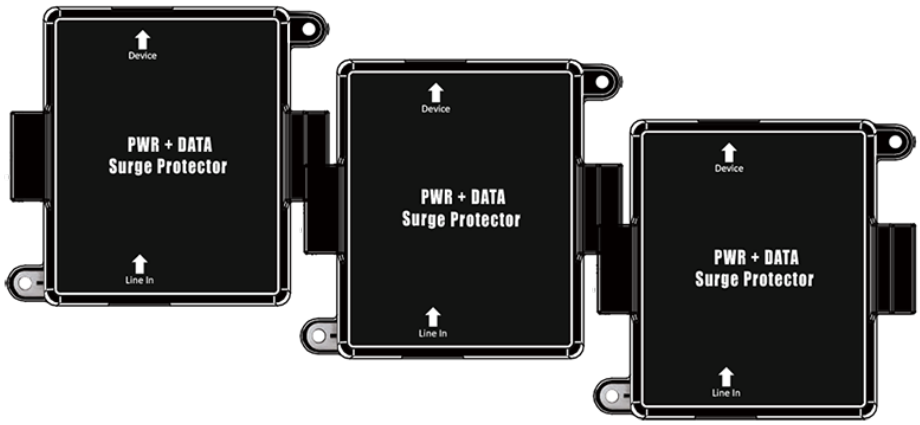


Hardware Overview



Product Units Combination





DATA SHEET
POE ADAPTER SERIES

CERIO
Amplify your Wireless Network

Standards & Hardware Specifications

Standard
IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3ab 1000BASE-T
IEEE 802.3bz 2500Base-T
IEEE 802.3af/at/bt POE Pass-through
Network Media
10BASE –T: UTP Cat. 3 or up
100BASE-TX : UTP Cat. 5 or up
1000BASE-T: UTP Cat. 5 or up
2500BASE-T: UTP Cat. 5e or up
Data Transfer Rate
10/100/1000/2500Mbps (Half-duplex),
20/200/2000/5000Mbps (Full-duplex)
Clamping Line-to-Ground
20 kV (10/700 us)
600V at 10 kA (8/20 us)
Clamping Line-to-Line
6 kV (10/700 us)
20V at 1 kA (8/20 us)
Data In
Connects PC/HUB/Switch
Ethernet Connector
RJ-45 x1 for Line in x1
RJ-45 x1 for Line out x1
Surge Protection Design
10 kA (After grounding ability)

Package Contents

Contents	
POE-ISP+ Main Unit	x1
Warranty Card	x1
Wall mounting screw set	x1
18AWG grounding cable	x1
Quick Installation Guide	x1

Environmental & Mechanical Characteristics

PoE Operation DC Voltage
60 VDC (Max)
PoE Operation DC Current
Two pair : 0.65A (Max)
Four pair : 1.3A (Max)
PoE Power Load
74Watt (Four Pair Max)
PoE Input Voltage
44~60V
Operating Temperature
-10° to 60° C
Storage Temperature
-20° to 65° C
Operating Humidity
5% to 90% non-condensing
Storage Humidity
5% to 90% non-condensing
Dimension (W x D x H)
84.5 x 80 x 39.5mm
Weight (g)
96.2g
Case of material
ABS
Production Location
TW
Supports
IEC/EN 61643-21 (Safety) compatible
IEC/EN 61000-4-5 (EMC) compatible
Certifications
CE, FCC and RoHS Compliant