

## POE-PD04S-12V

10/100/1000M/Multi Gigabit 802.3at Class4 to DC12V Protective Isolation PoE Splitter

EAN Code : 4712757150155

### Introduction

The **CERIO POE-PD04S-12V** provides **Multi Gigabit Ethernet** capability and is backward compatible with 10/100/1000Mbps network standards. It supports IEEE 802.3at PoE+ / 802.3af PoE standards and provides PoE 44~57V Ethernet power + data input to separate to only DC/Power and only Ethernet/Data output. **Supports DC output voltage 12V with isolation protection.**

### Highlight Features

- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3bz 2500 /5000 BASE-T, IEEE 802.3af/at PoE standards.
- Supports **1/2.5/5Gbps Multi Gigabit Ethernet**.
- The PoE splitter can use to connect non-PoE 802.3af /at compliant devices to PoE injector or PoE switch.
- The hardware design uses power polarity isolation components to avoid POE power problems caused by poor design, completely solves the problem of no power or instability caused by non-isolated PoE.
- It is suitable for high electromagnetic interference or strong electromagnetic fields applications, such as medical equipment or industrial environments. It can ensure the safety and stability of the equipment.
- Polarity protection mechanism prevents damage to the equipment due to electrical faults or surges, prevents power issue (such as overvoltage, overcurrent..etc.), increasing equipment reliability and life cycle.
- The maximum power output up to **27Watts**.
- Supports Ethernet PoE to separate to only DC/Power and only Ethernet/Data.
- Bundle accessories for inside diameter 2.1 mm (PHY) to 2.1 (PHY) mm DC cable.
- Durable metal case design supports desktop and wall mounting installation.



### Functionality

**CERIO POE-PD04S-12V supports an excellent design of isolation protection.** It provides DC 12V needs for any network or non-network equipment through DC to DC cable which is included with package. Using the Cerio PoE Splitter, you can take advantage of Power Over Ethernet and place Multi Giga / Giga / Fast Ethernet-enabled products, such as Wireless Access Points, Network Cameras, and VoIP Phone where power outlets are not readily available.

### Long Distance Application

The **Cerio PoE Splitter** supports Multi Gigabit Ethernet PoE Powered Device. It's able to split the PoE signal into separate data and power sources up to total 100Meters (328 feet). The Multi Gigabit PoE suggest use a Cat 6 Ethernet cable to meet 100Meters PoE distance.

### ESD Protection

**CERIO POE-PD04S-12V** supports ESD, electrostatic discharge protection and load discharge anti-surge design ensuring device safety.

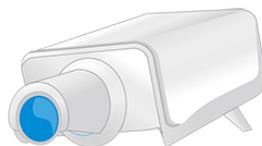
### Additional Benefits

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

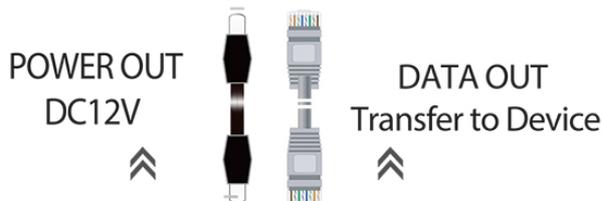
### Easy installation

Simple Plug-and-Play, requires no configuration.

## Product Application

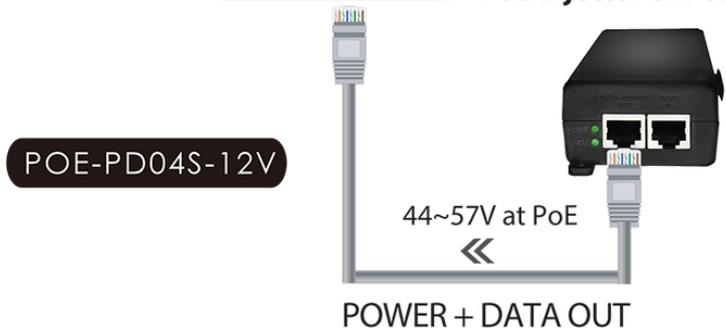


**Only DC in type IPCAM  
/ Non PoE AP Device**



Split PoE Power and Data

**PoE Injector or PoE Switch**



## PoE Splitter for split 12V Power & Data

## Hardware Overview



## Standards & Hardware Specifications

### Standard

IEEE 802.3 10BASE-T  
 IEEE 802.3u 100BASE-TX  
 IEEE 802.3ab 1000BASE-T  
 IEEE 802.3bz 2500/5000BASE-T  
 IEEE 802.3af Power over Ethernet (PoE)  
 IEEE 802.3at Power over Ethernet (PoE+)

### Network Media

10BASE-T: UTP Cat. 3 or up  
 100BASE-TX : UTP Cat. 5 or up  
 1G/2.5G/5GBASE-T : UTP Cat.5e or up

### Data Transfer Rate

10M/100M/1G/2.5G/5G (Half-duplex),  
 20M/200M/2G/5G/10G (Full-duplex)

### Data PIN

PIN 1/2, 3/6 & 4/5, 7/8

### Power PIN

End-span (Type-A): PIN 1/2,3/6 ;  
 Mid-span (Type-B): PIN 4/5,7/8

### Data In

Connects PC/HUB/Switch

### Ethernet Connector

RJ-45 x1 for Power + Data input  
 RJ-45 x1 for Data output

### ESD Protection

ESD electrostatic discharge protection and load discharge anti-surge design

## Package Contents

### Contents

<b>POE-PD04S-12V</b> Main Unit	x1
Inside diameter 2.1mm(PHY) to 2.1mm DC Cable	x1
Warranty Card	x1
Quick Installation Guide	x1

## Environmental & Mechanical Characteristics

### Max Power Output

**POE 802.3at** : Up to 27Watts

### Power Interface (Output)

**DC-Jack** : Output to any none PoE 12V DC in device

### Power Requirement

PoE 802.3af/at Power Source

### PoE Input Voltage

44V~57V

### DC Output

12V

### DC Output Current

Max. 2.25A

### LED Indicators

Power: Yellow

PoE : Green (802.3at) , Off (802.3af)

### Operating Temperature

0° to 50° C

### Storage Temperature

-40° to 70° C

### Operating Humidity

10% to 90% non-condensing

### Storage Humidity

5% to 90% non-condensing

### Dimension ( W x D x H )

111 x 79 x 35.5mm

### Weight ( g )

203g

### Case of material

Metal

### Production Location

TW

### Certifications

FCC ,CE, RoHs compatible