

POE-PC04S

10/100/1000M Gigabit 802.3at to Passive PoE Converter

EAN Code : 4712757159677



Introduction

Cerio's **POE-PC04S** PoE Converter effectively allows any PoE device to become compliant with 44~57V 802.3at active PoE standards. This conveniently standardizes power management of your system by introducing compatibility of passive PoE devices with standard 802.3at switches. **POE-PC04S's** hardware design includes two Gigabit Ethernet ports, and one DIP switch to 12V, 19V and 24V three range adjustable volt PoE output.

Highlight Features

- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T IEEE 802.3at PoE+, IEEE 802.3af PoE standards.
- PoE (PD) support IEEE 802.3at active PoE+, IEEE 802.3af PoE, Max power input support 30Watt.
- Supports 2ports 10/100/1000Mbps Gigabit Ethernet.
- Supports passive PoE output voltage and hot switching for 12V / 19V /24V three range adjustable.
- With hardware protection design the device will not cause any damage while changing the voltage output during operation.
- Up to 100 meters (328 feet) application.
- Supports to Short-circuit Protection.
- Plug and Play, no software required.
- Supports desktop or wall mounting installation and multiple units combination for easy to bundles organize the Ethernet cables.

Functionality

This **POE-PC04S** can convert the standard 802.3af/at active PoE source to the proprietary passive PoE (power pin 4,5/7,8), in addition it can switchable the volt output to 12V/19V/24V by DIP switch. When there had a standard active PoE switch (802.3af/at) in the network architecture, but the PoE device (PD) is Passive PoE type, then you can use **POE-PC04S** to convert the PoE power form standard active PoE to proprietary passive PoE , it is very convenient and cost effective solution. It is perfect for transforming access points that use a passive PoE design into 802.3at compliant devices. Other applications also include deploying proprietary passive PoE IP cameras with standard 802.3af/at active PoE switches.

Hot Switching protection design

CERIO POE-PC04S uses the latest hardware hot-switching protection design, which can effectively prevent the fault caused by instantaneous switching of different voltage. The device will not cause any damage while changing the voltage output during operation.

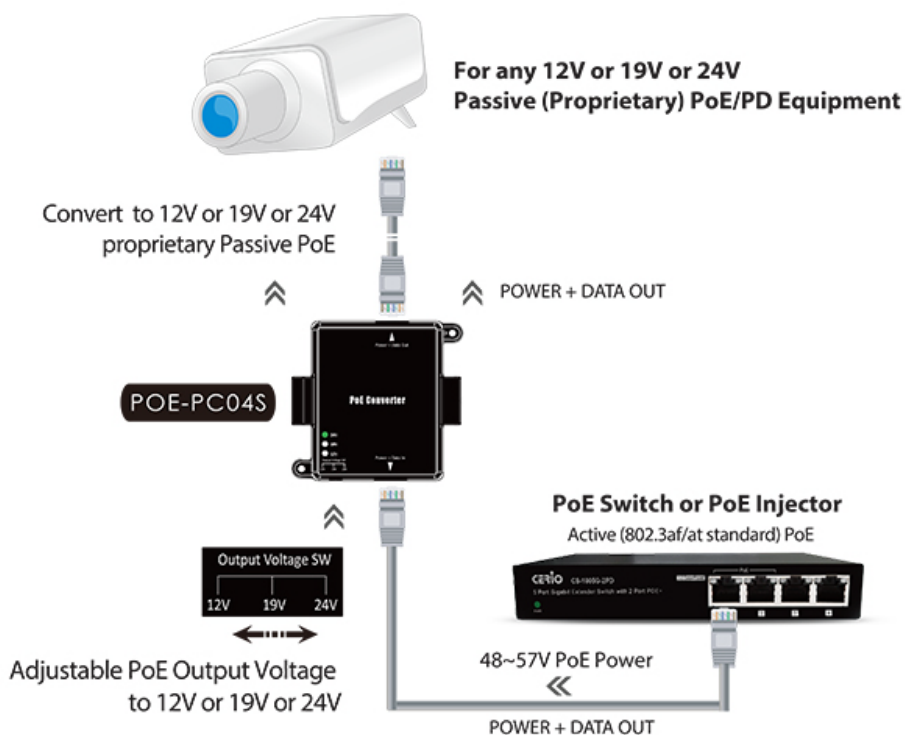
ESD Protection

CERIO POE-PC04S supports ESD, Electro Static Discharge protection includes Over Voltage protection and Short Circuit Protection ensuring device safety.

Additional Benefits

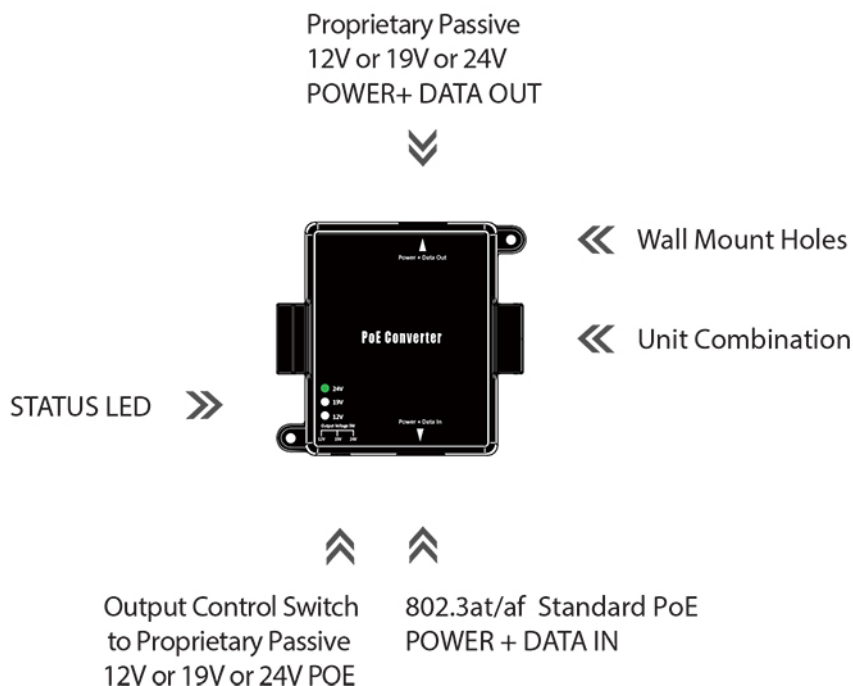
Some additional benefits of Cerio PoE Converter include cost saving, small pocket size and convenience in network planning, and higher reliability.

Product Application



PoE Converter for Active PoE Converter to Passive PoE

Hardware Overview



Standards & Hardware Specifications

Standard

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

Network Media

10BASE-T: UTP Cat. 3 or up
 100BASE-TX : UTP Cat. 5 or up
 1000BASE-T: UTP Cat. 5 or up

Data Transfer Rate

10/100/1000Mbps (Half-duplex),
 20/200/2000Mbps (Full-duplex)

Data PIN

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

Power PIN

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

Data In

Connects PC/HUB/Switch

Ethernet Connector

RJ-45 x1 for Active PoE Power + Data input
 RJ-45 x1 for Passive PoE Power + Data output

ESD Protection

Over Voltage protection and Short Circuit Protection

Environmental & Mechanical Characteristics

Max Power Output

27Watts

Power Interface (Output)

Ethernet out : Output to 12V or 19V or 24V passive PoE device

Power Requirement

802.3af/at PoE Power Source

PoE Input Voltage

44V~57V

PoE Output Control Range

12V/19V/24V three range adjustable by DIP switch

PoE Output Current

Max 12V/2.25A , 19V/1.42A, 24V/1.125A

LED Indicators

Passive PoE Output LED x3 : 12V or 19V or 24V

Operating Temperature

0° to 55° 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)

84.5 x 80 x 39.5mm

Weight (g)

97.6g

Case of material

ABS

Production Location

TW Only

Certifications

FCC ,CE, RoHs compatible

Package Contents

Contents

POE-PC04S Main Unit	x1
Warranty Card	x1
Quick Installation Guide	x1