

POE-G30I

30Watt 10/100/1000M Multi Gigabit PoE+ Injector



User's Guide

FCC Certifications

This Equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CE Mark Warning

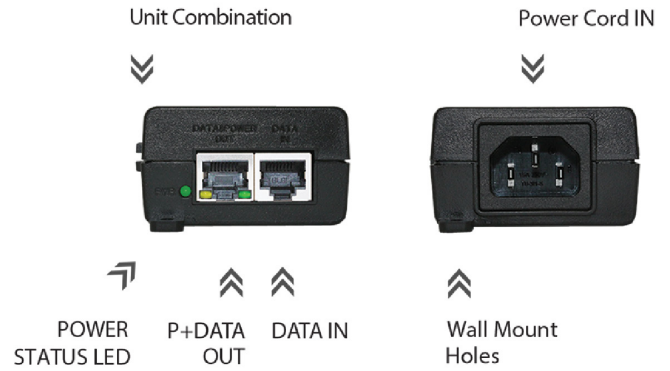
This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Company has an on-going policy of upgrading its products and it may be possible that information in this document is not up-to-date. Please check with your local distributors for the latest information. No part of this document can be copied or reproduced in any form without written consent from the company.

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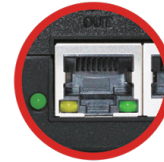


Hardware Overview



LEDs

Quickly detection shows that RJ 45 Power PIN connection has Power over Ethernet, and two LEDs indicate the status of PoE Power type for Mid-span, and End-span.



POE TYPE DISPLAY LED
Left : End-span (Green) ,
Right : Mid-span (Yellow)

Unpacking Information

Thank you for purchasing our Power PoE series products. Before installation, please check that your package contains the following items.

Open the shipping cartons of the PoE Adapters and carefully unpack its contents. The carton should contain the following items:

1. POE-G30I Main Unit x 1
2. Power Cord x 1
3. Warranty Card x 1

Introduction

CERIO POE-G30I supports IEEE 802.3af/at Power Over Ethernet Standard. It's a single port Active PoE Multi Gigabit PoE+ Injector and provides DC 56 Volt over Ethernet cables. It supports IEEE 802.3af 15.4Watt PoE (Class3 Standard) and IEEE 802.3at 30Watt PoE+ (Class4 Standard) and provides two Ethernet ports connection. The CERIO PoE+ Injector can simultaneously transmit network data and power to the PD equipment through the UTP Ethernet Cable transmission. It is a cost-effective complying with IEEE 802.3af/at standard Gigabit PoE+ Injector and provides the best solution for IP Cam surveillance system integrators, etc.

Highlight Features

- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3bz 2.5G/5G BASE-T, IEEE 802.3af PoE and IEEE 802.3at PoE+ standards.
- Supports Multi Gigabit (1/2.5/5Gbps) Ethernet connection ability.
- Auto detect PD power pin is powered by End-span (Type-A) or Mid-span (Type-B) then powered to PD device and LED indicator shows power pin type.
- Internal power design and supports 56V PoE+ output.
- Supports IEEE 802.3af/at POE standards and PoE max power up to 30Watt Class4 PoE+ output.
- Support PSE / POE Power Over Ethernet function which can provide both data and power for distances of up to 100 meters (328 feet) from the power source when using CAT 5 or up cabling.
- Over Current Protection and Short-circuit Protection. Supports Desktop, Wall mounting and Units Combination for easy to bundles organize the Ethernet cables.

Installation

Plug-and-Play, requires no configuration. Plug in the Power cord. Two RJ 45 cables: plug one in to data port, plug the other in to data+power or PoE port and connect it to the device that needs power over Ethernet cable.

Wall mounting installation

This device can be screwed on the wall or on the desk.

Unit Combination

The POE-G30I Units can be combined side by side as the picture shows so that the organizing of the cables can be easily done.

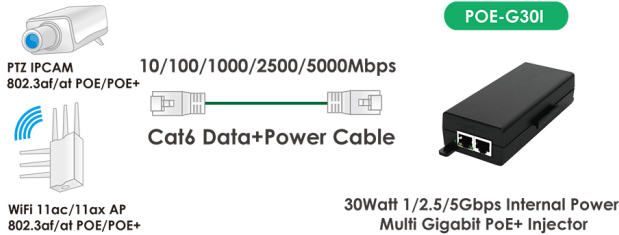


Product Main Application (As Injector)

CERIO POE-G30I PoE+ injector can provide both data and power for distances of up to 100 meters (328 feet) from the power source when using CAT 5e or up cabling.

Apps1 : PoE+ (PD) Devices

With POE for 1/2.5/5Gbps Multi Gigabit PTZ IP CAM/AP Devices

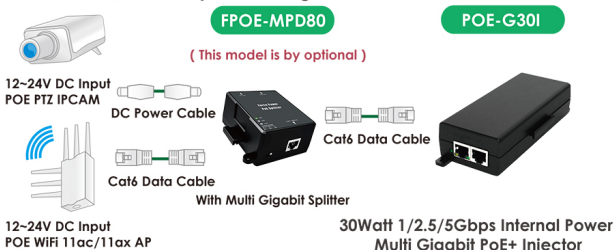


Other Application

It can also be used as a DC power supply with the help of our other product Splitter can turn 56 Volt into 12 V or 19 V or 24 V.

Apps2 : None PoE+ (PD) Devices

None POE for 1/2.5/5Gbps Multi Gigabit PTZ IP CAM/AP Device



Functionality

The CERIO POE-G30I Power over Ethernet (PoE+) injector is designed to supply operational power to local area network LAN wireless devices such as PoE access point bridges, routers, and surveillance cameras. Moreover, it supports End-span (Type-A) and also Mid-span (Type-B) power pin designed, no matter how the PD devices is designed Type-A or Type-B all kind of devices can be supplied with power automatically by our POE. The POE-G30I greatly simplifies the wiring and facilities layout designing processes, and brings a great deal of convenience and benefits to homes, offices, and industrial environments. CERIO PoE+ Injector can provide both data and power for distances of up to 100 meters (328 feet) from the power source when using CAT 5 or up cabling. POE-G30I supports Electro Static Discharge ESD protection, including Over Voltage protection and Short Circuit Protection, ensuring safety of the devices. Some additional benefits of CERIO PoE+ Injector include cost saving, convenience in network planning, and higher reliability.

Product Specifications

	Standards & Hardware Specifications
Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3bz 2.5G/5G BASE-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 1000BASE-T: UTP Cat. 5e or up 10/M/100M/1G (Half-duplex), 20M/200M/2G (Full-duplex)
Data Transfer Rate	Active POE PIN 1/2,3/6 & 4/5,7/8
PoE Type	End-span (Type-A): PIN 1/2,3/6 Mid-span (Type-B): PIN 4/5,7/8
Data Pin	RJ-45 x1 : Power + Data RJ-45 x1 : Data
Power Pin	
Ethernet Connector	
Power Interface	Output: RJ45 Active 802.3af/at standard PoE+ 56V Out Input: AC In ESD Protection
ESD Protection	Supports ESD Over Voltage protection and Short Circuit Protection
Environmental & Mechanical Characteristics	
Max Power Output	30Watt
Power Requirement	AC Power Cord
PoE Output Voltage	56Volt
Input Voltage	AC 100~240V, 50-60 Hz
LED	System LED: Power (Green) PoE : End-span(Green)Mid-span(yellow) (The PoE LED on RJ45 Jack)
Operate Temperature	0° to 40° C
Storage Temperature	-40° to 70° C
Storage Humidity	5% to 90% (non-condensing)
Dimension(W x D x H)	67.5 x 155 x 34 mm
Weight (g)	181.2 g
Form Factor	Wall mounting, Destop, Units Combination
Case material	Plastic
Production Location	TW
Certifications	FCC ,CE, RoHs compatible

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