

POE-PG30I

30Watt 10/100/1000M 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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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-PG30I Main Unit x 1**
- 2. Power Cord x 1**
- 3. Warranty Card x 1**

Introduction

CERIO POE-PG30I supports Class3 15.4Watt PoE and Class4 30Watt PoE+ power level. It's a single port Passive PoE Gigabit PoE+ Injector. It provides DC 56 Volt over Ethernet cables and provides two Ethernet ports connection. The CERIO Gigabit PoE+ Injector can simultaneously transmit network data and power to the powered device PD equipment through the UTP Ethernet Cable transmission. It is a cost-effective Gigabit PoE+ Injector and provides the best solution for the IP phones, IP Camera surveillance system integrators, etc.

Hardware Overview



System LED

If the power cord is connected, the system LED will be on and is green in colour.



Highlight Features

- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX and IEEE 802.3ab 1000Base-T standard.
- Supports 10/100/1000Mbps Gigabit RJ45 Ethernet Connection.
- Data transfer rate of up to 1 Gigabit per second at Half-duplex and 2 Gigabit per second at Full-duplex.
- Supports PIN 1/2, 3/6 and 4/5, 7/8 power pin.
- AC input of 100~240 V, 50-60 Hz
- 56 Volt of PoE output voltage
- Internal power design and supports 56V PoE+ output.
- Provides 802.3af/at (Passive) POE power level
- 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
- Also supports Units Combination for ease of organizing 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-PG30I Units can be combined side by side as the picture shows so that the organizing of the cables can be easily done.

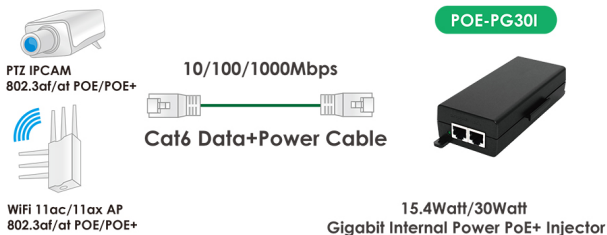


Product Main Application (As Injector)

CERIO POE-PG30I 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 Gigabit IP CAM/AP Devices

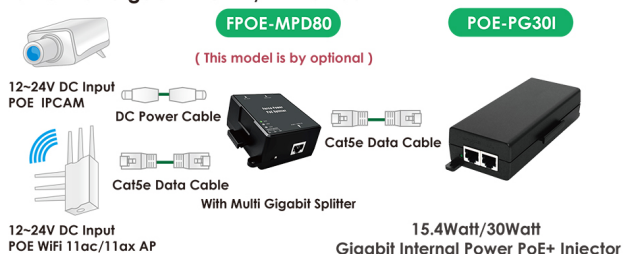


Other Application

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 Gigabit IP CAM/AP Device



Functionality

The CERIO POE-PG30I is designed to supply operational power to local area network LAN wireless devices such as PoE access point bridges, routers, and surveillance cameras. With Power over Ethernet devices installed, the system administrator only has to use a single RJ-45 Ethernet cable to transfer both power and data to each PD or powered devices. 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 output power will be dependent on the power rating of the power supply that one chooses to use. It brings a great economic benefit to the monitoring surveillance system. 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-PG30I supports ESD; Electro Static Discharge protection includes Over Voltage protection and Short Circuit Protection ensuring device safety. 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
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/M/100M/1G (Half-duplex), 20M/200M/2G (Full-duplex)
PoE Type	Passive POE
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
Ethernet Connector	RJ-45 x1 : Power + Data RJ-45 x1 : Data
Power Interface	Output: RJ45 Passive PoE+ 56V Out Input: AC In
ESD Protection	Supports ESD (Electro Static Discharge) 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) *1
Operate Temperature	0° to 40° C
Storage Temperature	-40° to 70° C
Operate/Storage Hu.	5% to 90% (non-condensing)
Dimension(W x D x H)	67.5 x 155 x 34 mm
Weight (g)	181 g
Form Factor	Wall mounting, Destop, Units Combinator
Case material	Plastic
Production Location	TW
Certifications	FCC ,CE, RoHs compatible