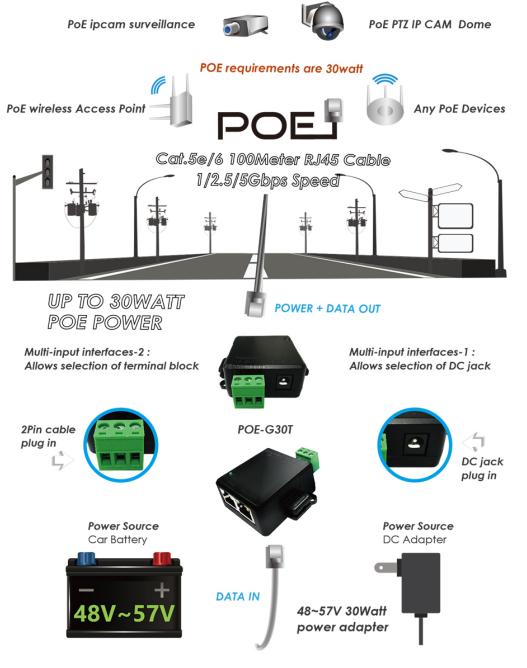# POE-G30T

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

EAN Code : 4712757159578

CERIO POE-G30T supports IEEE 802.3af/at Power Over Ethernet Standard. It's an Active PoE Multi Gigabit PoE+ Injector provides **DC 48-57V** over Ethernet cables. It supports IEEE802.3af 15.4Watt POE (Class3 Standard) and IEEE802.3at 30Watt POE+ (Class4 Standard). Provide Screw Terminal Block power input and DC In both Power Systems. With extremely cost-effective, it provides enterprise-level flexibility and expansion capabilities. With this **POE-G30T** PoE+ Injector, you can simultaneously transmit network data and power to PD powered network equipment through the RJ45 UTP cable.

PoE ipcam surveillance

PoE PTZ IP CAM Dome

POE requirements are 30watt

PoE wireless Access Point

Any PoE Devices

Cat.5e/6 100Meter RJ45 Cable
1/2.5/5Gbps Speed

UP TO 30WATT POE POWER

POWER + DATA OUT

Multi-input interfaces-2 :
Allows selection of terminal block

Multi-input interfaces-1 :
Allows selection of DC jack

2Pin cable plug in

POE-G30T

DC jack plug in

Power Source
Car Battery

48V~57V

DATA IN

Power Source
DC Adapter

48~57V 30Watt power adapter

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 , 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.
- Supports IEEE 802.3af/at POE standards and PoE max Power up to 30Watt (IEEE 802.3at) bundle with 56V Power supply.
- 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.
- Provide Screw Terminal Block power input and DC In both Power Systems. User can select either one to supply power or it can choice dual power supply as power backup function for the device. (Power failover).
- Over Current Protection and Short-circuit Protection.
- Supports Desktop, Wall mounting and Units Combination for easy to bundles organize the Ethernet cables.

Functionality

The **CERIO POE-G30T** greatly simplifies the wiring and deployment process, and brings a great deal of convenience benefits to home, office, and industrial environments. Moreover, **it supports End-span (Type-A) or Mid-span (Type-B) power pin designed**, **no matter the PD devices is designed Type-A or Type-B all can supply power automatically.** The **POE-G30T** Power over Ethernet (POE) adapter is designed to supply operational power to **wireless LAN 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 carry both power and data to each device.

Long Distance Application

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.

ESD Protection

POE-G30T 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 Injector include cost saving, convenience in network planning, and higher reliability.
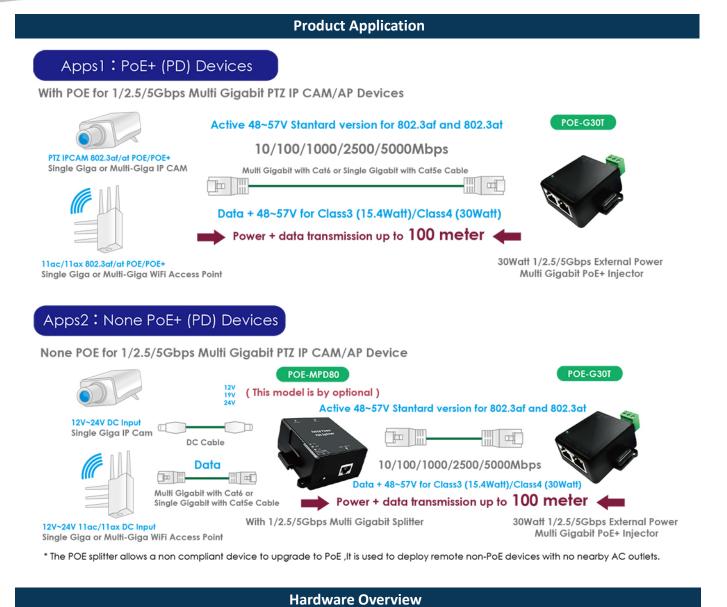
Easy installation

Plug-and-Play, requires no configuration.

Product Application

Apps1 : PoE+ (PD) Devices

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

PTZ IPCAM 802.3af/at POE/POE+
Single Giga or Multi-Giga IP CAM

11ac/11ax 802.3af/at POE/POE+
Single Giga or Multi-Giga WiFi Access Point

Active 48~57V Stantard version for 802.3af and 802.3at

10/100/1000/2500/5000Mbps

Multi Gigabit with Cat6 or Single Gigabit with Cat5e Cable

Data + 48~57V for Class3 (15.4Watt)/Class4 (30Watt)

➡ Power + data transmission up to **100 meter** ⬅

POE-G30T

30Watt 1/2.5/5Gbps External Power
Multi Gigabit PoE+ Injector

Apps2 : None PoE+ (PD) Devices

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

12V~24V DC Input
Single Giga IP Cam

DC Cable

Data

Multi Gigabit with Cat6 or
Single Gigabit with Cat5e Cable

12V~24V 11ac/11ax DC Input
Single Giga or Multi-Giga WiFi Access Point

POE-MPD80
(This model is by optional)

12V
19V
24V

With 1/2.5/5Gbps Multi Gigabit Splitter

POE-G30T

Active 48~57V Stantard version for 802.3af and 802.3at

10/100/1000/2500/5000Mbps

Data + 48~57V for Class3 (15.4Watt)/Class4 (30Watt)

➡ Power + data transmission up to **100 meter** ⬅

30Watt 1/2.5/5Gbps External Power
Multi Gigabit PoE+ Injector

* The POE splitter allows a non compliant device to upgrade to PoE ,It is used to deploy remote non-PoE devices with no nearby AC outlets.

Hardware Overview

Terminal Block Power Input

DC Power Input

Power Status LED

Unit Combination

Wall Mount Holes

DATA IN

P+DATA OUT

PoE Type Display LED

Left : End-span (Green) ,
Right : Mid-span (Yellow)

* Quickly detection shows that RJ45 power PIN connection has Power over Ethernet, and two LEDs indicate the status of PoE Power type for Midspan(B-Type) / RJ45 4,5,7,8 PIN and Endspan(A-Type) / RJ45 1,2,3,6 PIN

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 Plus (PoE+)

Network Media
10BASE –T: UTP Cat. 3 or up
100BASE-TX : UTP Cat. 5 or up
1000BASE-T: UTP Cat. 5 or up
2.5G/5G BASE-T : UTP Cat.5e or up

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

PoE Type
Active 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 : Data
RJ-45 x1 : Power + Data

Power Interface
Output: RJ45 Active 802.3af/at standard PoE+ Out
Multi Input: DC In or Screw Terminal Block In (STB In)

ESD Protection
Supports ESD (Electro Static Discharge)
Over Voltage protection and Short Circuit Protection

Environmental & Mechanical Characteristics

Max Power Output
30Watt

Power Requirement
56V 30W External Power Supply

Input Voltage
48 ~ 57Volt

LED	
System: Power (Green)	x1
PoE (RJ45): End-span(Green), Mid-span (Yellow)	x2
(The PoE LED on RJ45 Jack)	

Operating Temperature
0° to 55° C

Storage Temperature
-40° to 70° C

Operating Humidity
5% to 90% non-condensing

Storage Humidity
5% to 90% non-condensing

Dimension (W x D x H)
64.8 x 65.8 x 24mm

Weight (g)
48g

Form Factor
Wall mounting /Desktop/ Units Combination

Case of material
ABS

Production Location
TW

Certifications
FCC ,CE, RoHs compatible

Package Contents

Contents	
POE-G30T Main Unit	x1
30Watt Power Adapter	x1
Warranty Card	x1