

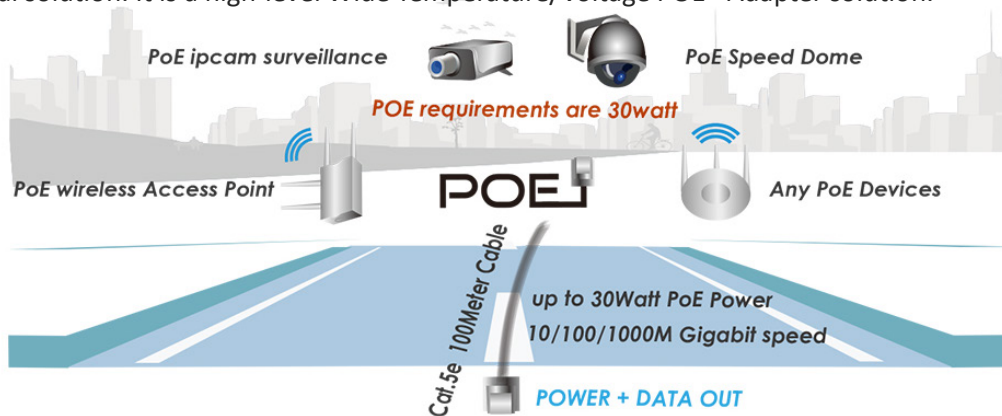
POE-DGT-ZW

DC12-56V Gigabit Wide Temperature/Voltage to 30Watt PoE+ Adapter

EAN Code : 4712757159813



CERIO POE-DGT-ZW DC12-56V Gigabit Wide Temperature/Voltage to 30Watt PoE+ Adapter supports IEEE 802.3af/at Power Over Ethernet Standard. It's an Active PoE voltage booster Gigabit PoE+ Injector. It supports **wide range DC 12-56V input voltage** and provides 2 Ethernet ports, it can automatically boost and conversion to the best transmission performance 802.3af/at standard PoE 56V output. The max. PoE output power up to 30Watt. For the environment only available with 12/24/37.5/48V power voltage configuration, it automatically boosted to 802.3af/at standard PoE 56V output to PD device through the screw terminal block power input, it provides the best and economical solution. It is a high-level Wide Temperature/Voltage POE+ Adapter solution.



Multi-input interfaces-2 :
Plug through terminal block selection, for 12~56V input voltage



Multi-input interfaces-1 :
Plug through DC jack selection for 48~57V input voltage

2Pin Power cable plug in



Voltage boosted to POE 56V



+75°C Wide temperature
-40°C

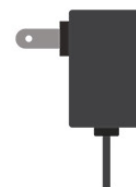


DC jack plug in

Power Source
Car Battery



Power Source
DC Adapter



30Watt power adapter

DATA IN



Extra applications 12V/24V/48V battery for Car bus/Solar energy and 24V/37.5V/48V power system for train/EMU tram.

Highlight Features

- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3af PoE and IEEE 802.3at PoE+ standards.
- Supports 10/100/1000Mbps Gigabit Ethernet connection ability.
- Supports a wide range input voltages of 12~56V. It can be automatically boosted and converted to 802.3af/at standard PoE 56V power output.
- Supports two power interface: Supports screw terminal power input for power boost system used and extra DC power input for PoE constant voltage used.
- Auto detect PD power supply is powered by End-span (Type-A) or Mid-span (Type-B) power pin, and LED indicators shows power pin type.
- Supports IEEE 802.3af/at POE standards and supports standard Active PSE/PoE Power Over Ethernet function and Max PoE Output up to 30Watt.
- Supports -40° ~ 75° C wide temperature design which can withstand various high and low temperature environmental applications.
- Provides a durable and reliable metal housing design.
- Over Current Protection & Short-circuit Protection.
- Plug-and-Play, requires no configuration.
- Supports desktop, wall mounting installation.

Functionality

CERIO POE-DGT-ZW is a great ideal for the application of vehicle power system. Ex. fixed or mobile batteries, solar or power engine combined independent power systems etc. When the environmental input voltage range is limited to below 55V and over 12V, the **POE-DGT-ZW** can be used to boost voltage to the best transmission performance 802.3af/at standard PoE 56V output to PD device through the network cable. It's a very convenient and economical solution. The applications include 12V or 24V or 48V battery system/solar system and automotive markets, such as 24V BUS, Railway transportation or 48V power system which needs to be converted to 802.3af/at standard PoE 56V power output to the powered devices, such as PoE IP cameras, PoE video displays, PoE wireless base stations, etc.

Durable Metal Casing and Wide Temperature Design

CERIO POE-DGT-ZW provides an industrial durable and high-reliability metal case and supports a wide range temperature -40° ~ 75° C design. It supports wall mounting installation, which fully meets the application requirements in various environments. The wide temperature design allows the equipment to operate stably in extremely low and extremely high temperatures, making it the best helper for enterprises.

Long Distance Application

CERIO Gigabit Wide Temperature/Voltage to 30Watt PoE+ Adapter 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.

ESD Protection

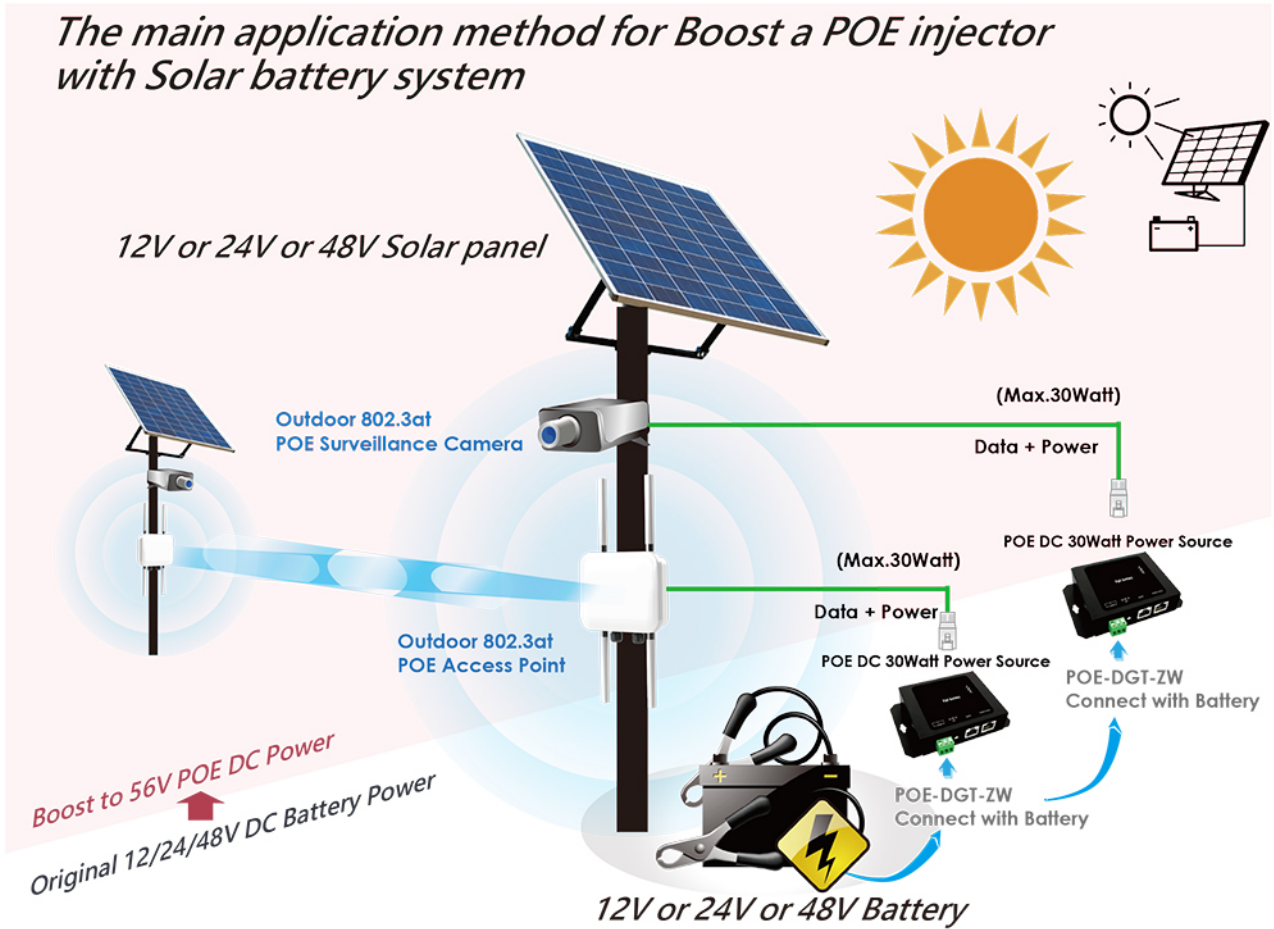
The **POE-DGT-ZW** supports ESD, Electro Static Discharge protection includes Over Voltage protection and Short Circuit Protection ensuring device safety.

Easy installation

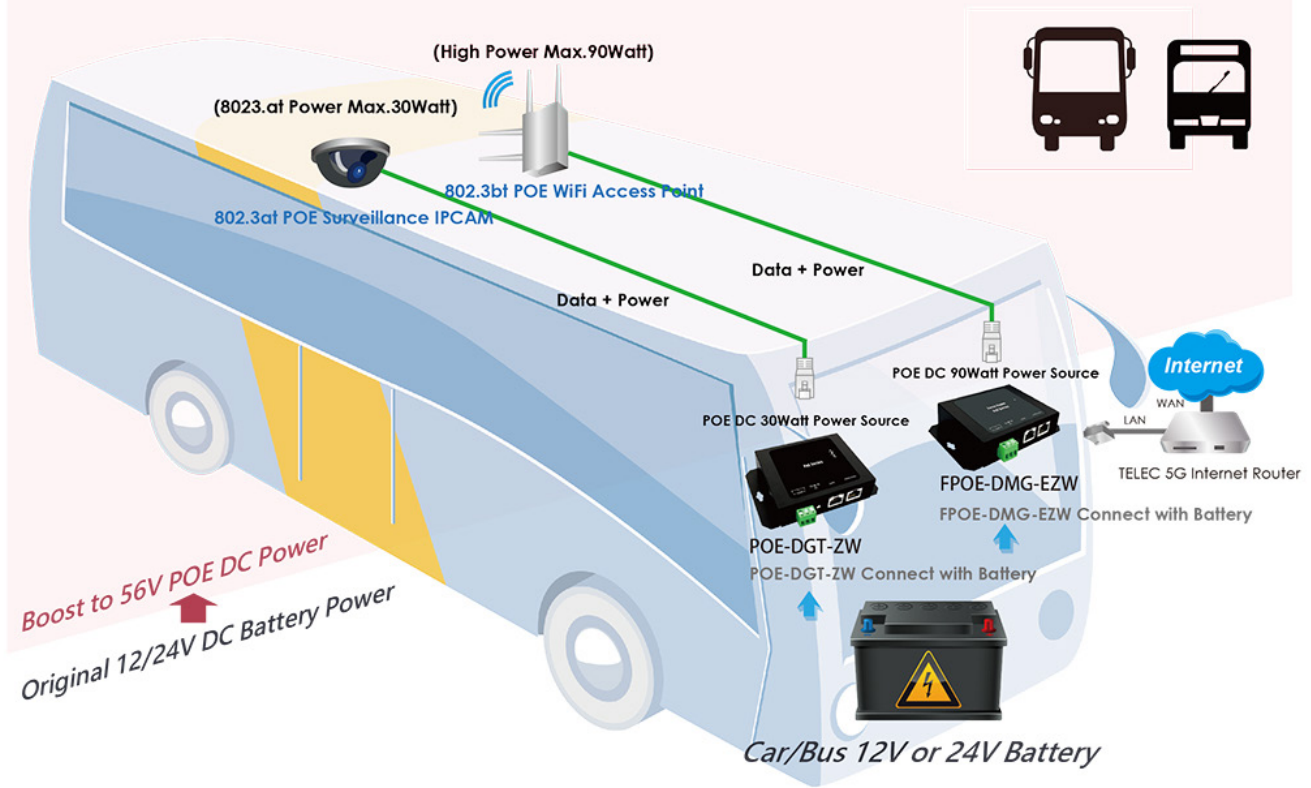
Plug-and-Play, requires no configuration.

CERIO POE-DGT-ZW can receive power systems, such as 12V/24V/48V fixed or mobile battery or Solar panel through the Screw Terminal Block, then boost and conversion to 802.3af/at standard PoE 56V output to the PoE PD devices, and providing a perfect power over Ethernet solution for the battery, solar energy systems. and BUS/MRT/Trains transportation systems.

The main application method for Boost a POE injector with Solar battery system



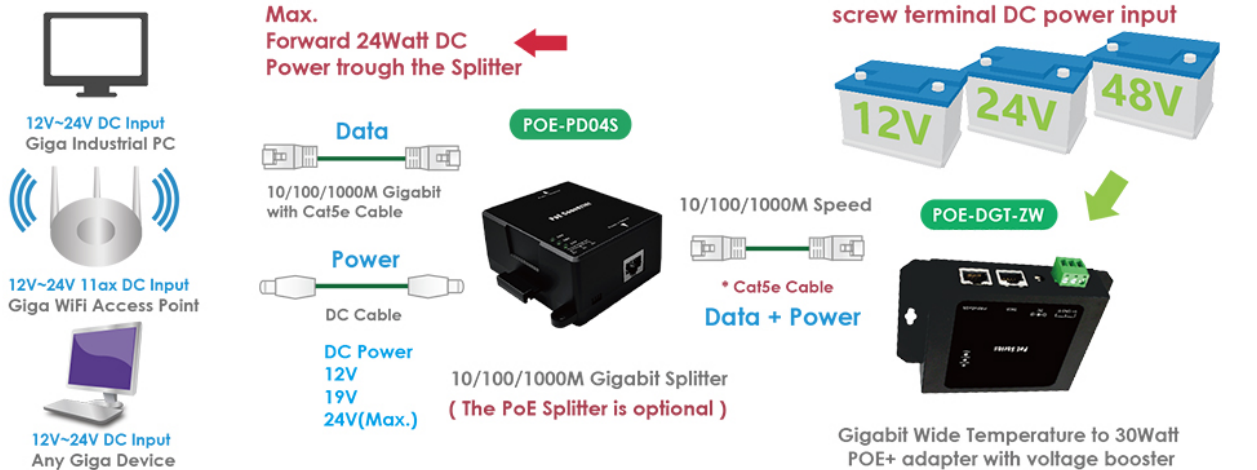
The main application method for Boost a POE injector



CERIO POE-DGT-ZW can use as a boost adapter for power over Ethernet application, also can be used with CERIO POE splitter which can receive network power + data, then separate to only DC/Power output and only Ethernet/Data output. It supports 12V, 19V and 24V DC output adjustable via DIP switch. For network devices that only support DC Input, it provides an economical and affordable solution.

Extra application method of Boost adapter : Power Split to DC equipment

12V to 24V DC Input Non-POE Gigabit Device





Standards & Hardware Specifications

Standard
IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3ab 1000BASE-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. 5 or up
Data Transfer Rate
10/100/1000Mbps (Half-duplex), 20/200/2000Mbps (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 PoE Out
Input: Screw Terminal Block In (Main PWR input using for boost voltage system) & DC In (Extra PWR input using for PoE constant voltage input)
ESD Protection
Supports ESD (Electro Static Discharge) Over Voltage protection and Short Circuit Protection

Package Contents

Contents	
POE-DGT Main Unit	x1
Quick Installation Guide	x1
Warranty Card	x1

Environmental & Mechanical Characteristics

Max Power Output	30Watt
Power Requirement	12~57V Power source
Input Voltage	Overall wide voltage range : DC 12 ~ 57V Auto booster voltage range : DC 12 ~ 55V (When using STB input for auto boosed voltage and conversion to 802.3af/at standard PoE 56V output) PoE constant voltage range : DC 48~57V (When using DC Input)
LED	System: Power (Green) x1 PoE: End-span (Green) , Mid-span (Green) x2
Operating Temperature	-40° to 75° C
Storage Temperature	-40° to 85° C
Operating Humidity	5% to 90% non-condensing
Storage Humidity	5% to 90% non-condensing
Dimension (W x D x H)	130 x 82 x 27mm
Weight (g)	235g
Form Factor	Desktop/Wall mounting installation
Case of material	Metal
Production Location	TW
Certifications	FCC ,CE, RoHs compatible