

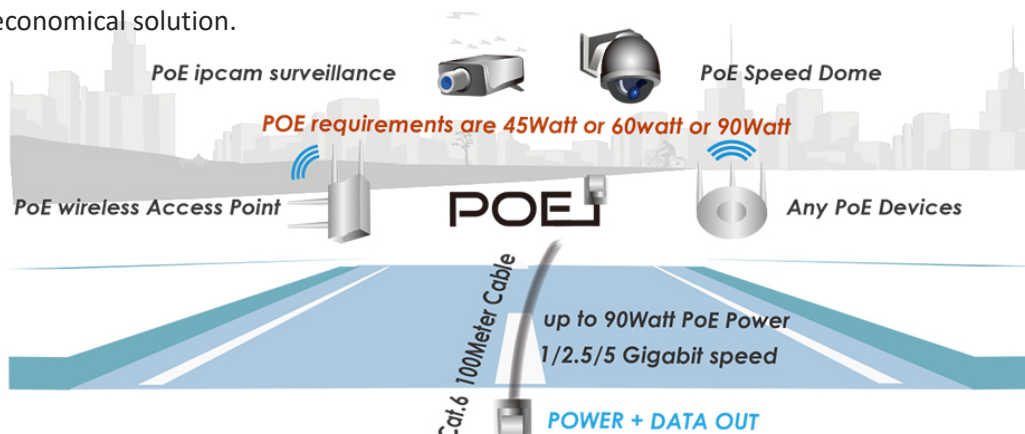
FPOE-DMG-EZW

DC12-56V Multi Gigabit Wide Temperature/Voltage to 4Pair 90Watt PoE++ Adapter

EAN Code : 4712757159905



CERIO FPOE-DMG-EZW is a Passive type DC12-56V Multi Gigabit Wide Temperature/Voltage to 4Pair 90Watt PoE++ Adapter supports wide range DC 12-56V input voltage. It can automatically boost and conversion to the best transmission performance PoE 56V output. And the hardware design for PoE output power safety has a max. limit of 90 Watt. For the environment only available with 12/24/37.5/48V power voltage configuration, it automatically boosted to PoE 56V output to PD device through the screw terminal block power input, it provides the best and economical 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 50~57V input voltage



FPOE-DMG-EZW

Voltage boosted to POE 56V

2Pin Power cable plug in



+75°C
-40°C Wide temperature

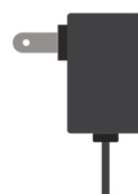


DC jack plug in

Power Source
Car Battery



DATA IN



Power Source
DC Adapter

60Watt/90Watt power adapter



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 and IEEE 802.3bz 2.5G/5G BASE-T standards.
- Supports Multi Gigabit (1/2.5/5Gbps) Ethernet connection ability.
- Supports a wide range input voltages of 12~56V. It can be automatically boosted and provide 802.3bt PoE Class8 and backward power level PD device for 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.
- Provides 802.3af/at/bt (Passive) POE power level and support passive PSE/POE Power Over Ethernet function, Max PoE Output up to 4Pair 90Watt.
- 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 FPOE-DMG-EZW 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-DMG-EZW** can be used to boost voltage to the best transmission performance and compatible with IEEE 802.3bt PoE Class8 and backward PoE 56V power level 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 PoE 56V power output to the powered devices, such as Multi-Gigabit PoE IP cameras, PoE video displays, PoE wireless base stations, etc.

Durable Metal Casing and Wide Temperature Design

CERIO FFPOE-DMG-EZW 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 Multi-Gigabit Wide Temperature POE+ Injector with voltage booster can provide both data and power for distances of up to 100 meters (328 feet) from the power source when using CAT6 or up cabling.

ESD Protection

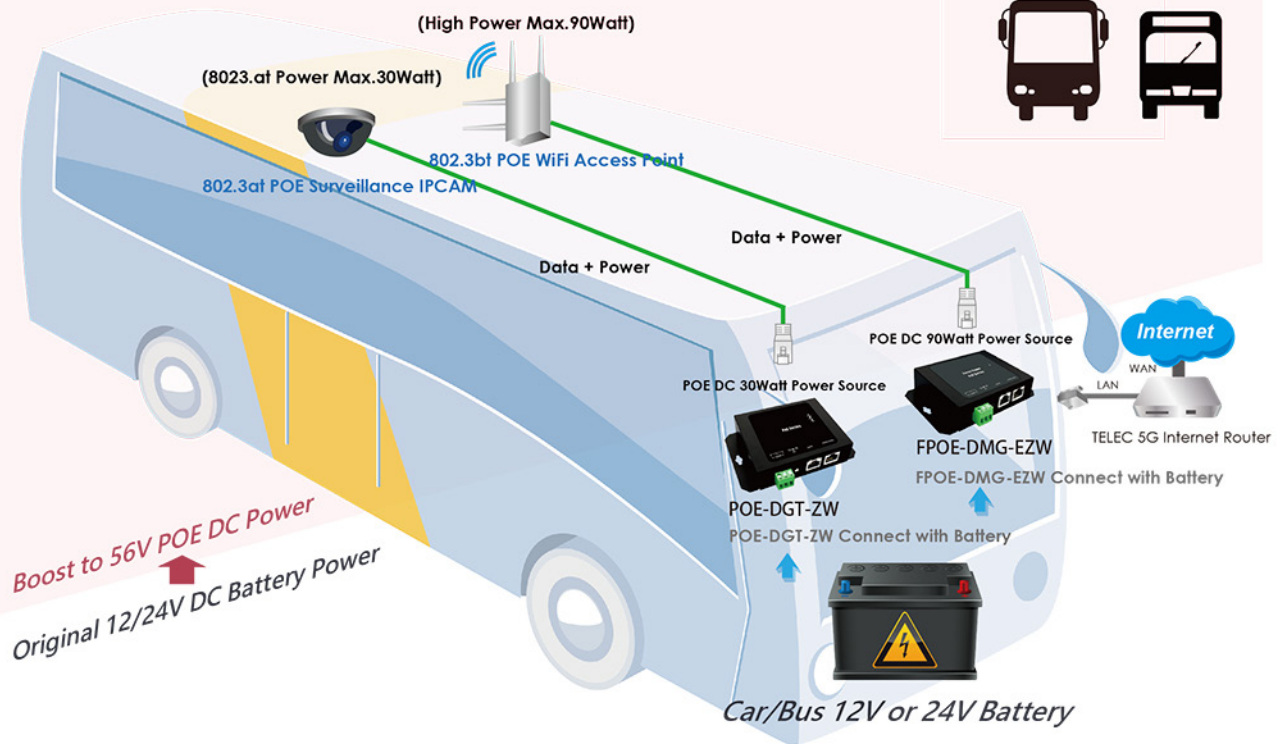
The **FFPOE-DMG-EZW** supports ESD, Electro Static Discharge protection includes Over Voltage protection and Short Circuit Protection ensuring device safety.

Easy installation

Plug-and-Play, requires no configuration.

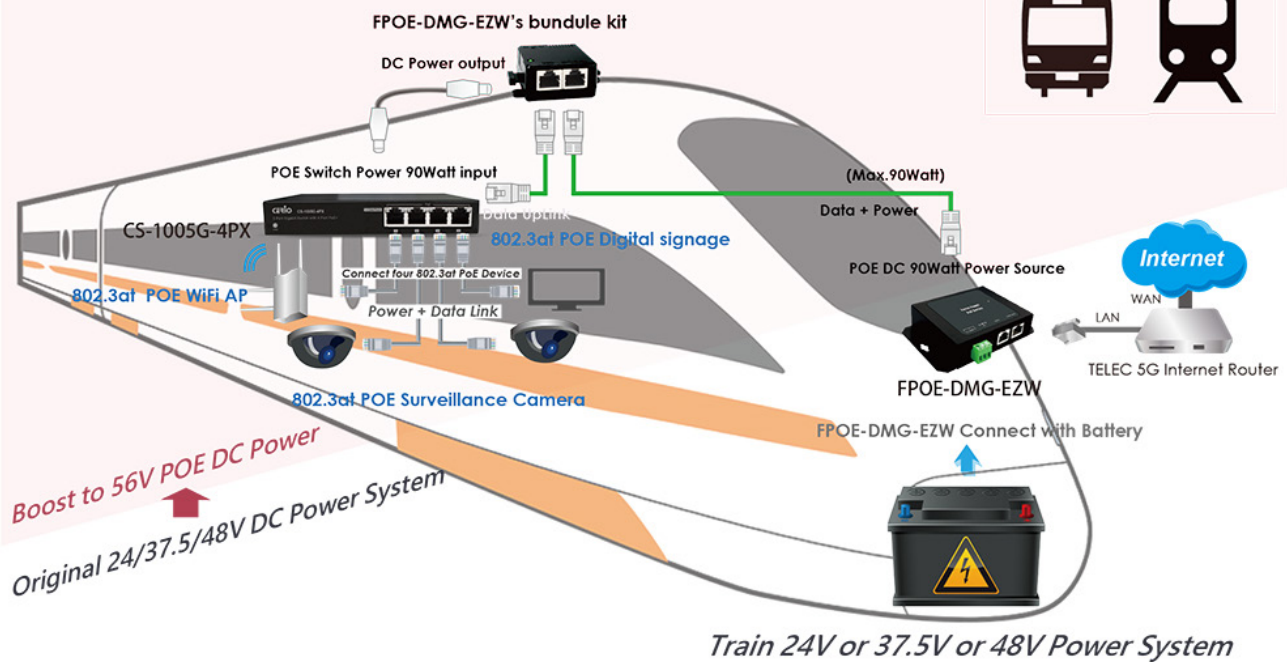
CERIO POE-DMG-EZW can receive power systems, such as 12V/24V/48V fixed or mobile battery or Solar panel through the Screw Terminal Block, then boost and conversion to compatible with IEEE 802.3bt PoE Class8 power level and backward PoE 56V output to the PoE PD devices, and providing efficient application solutions for the battery, solar energy systems, and BUS/MRT/Trains transportation systems.

The main application method for Boost a POE injector



CERIO POE-DMG-EZW supports an additional 90Watt power extension function. By using the included POE Kit and DC to DC power cable, you can easily expand the power to a multi-port POE switch. Except for extending the distance of power and data, it completely solves the power requirements of multiple POE powered devices that required in the environment. The simple plug-and-play connection provides a better PoE integration application solution for where the power source is not readily available.

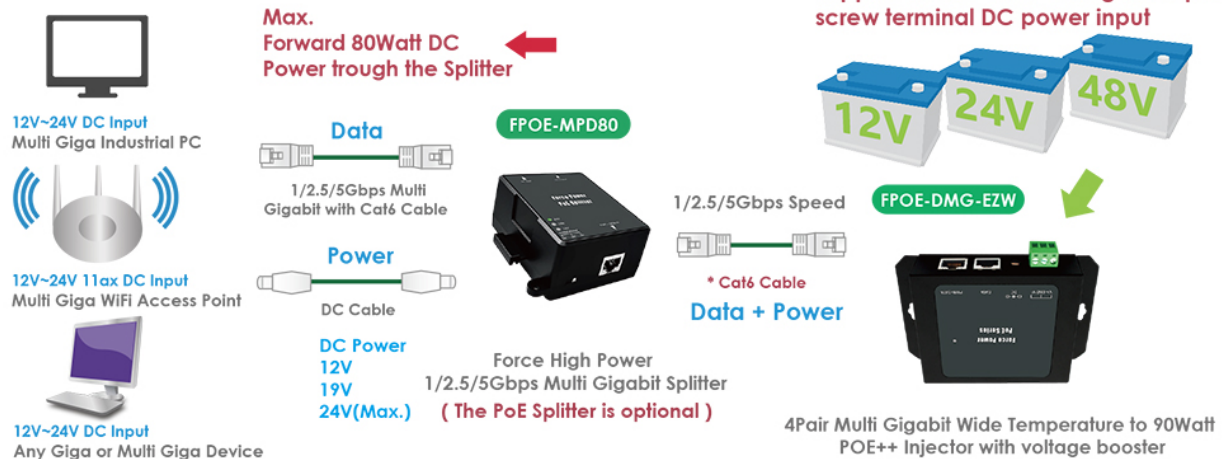
Extra application method for Boost POE Power to POE switch extension



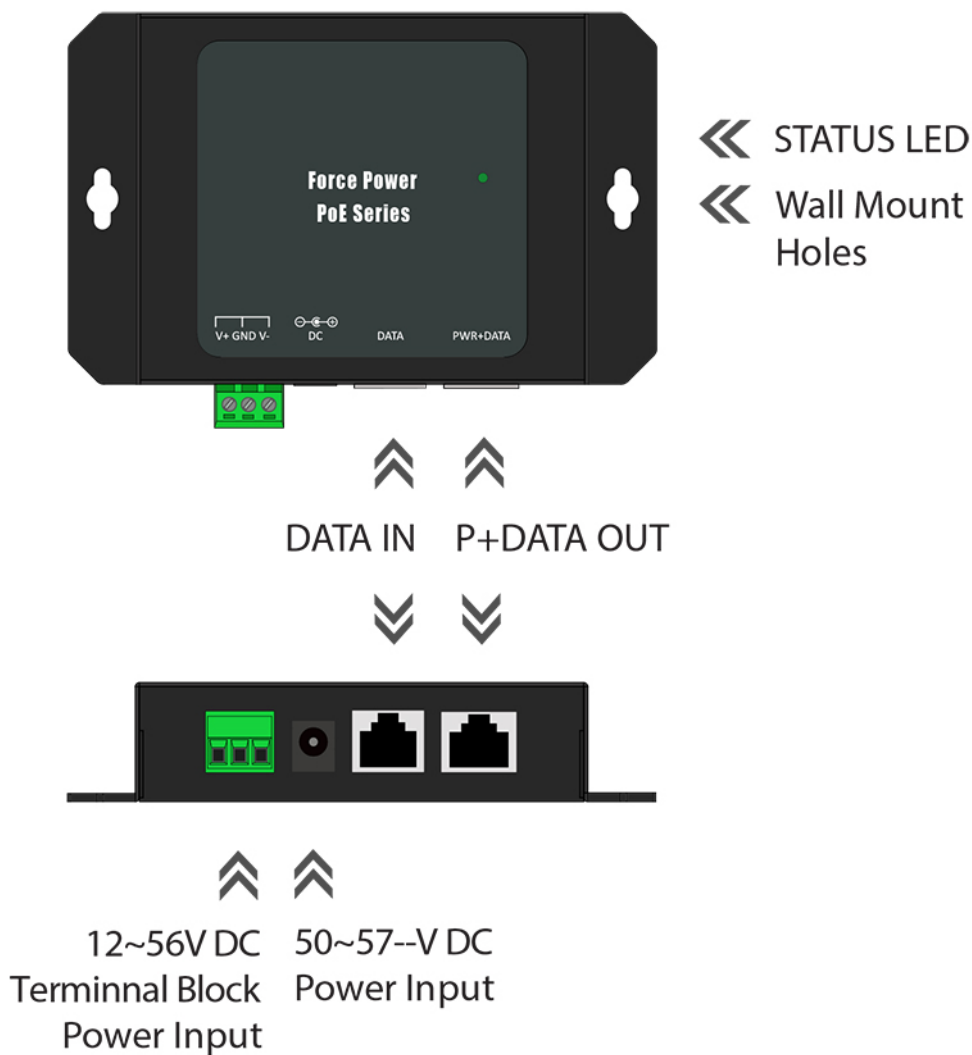
CERIO POE-DMG-EZW can use as a boost adapter for power over Ethernet application, also can be used with CERIO POE splitter which can receive network power + data, then separate to only DC/Power output and only Ethernet/ Data output. It supports 12V, 19V and 24V DC output adjustable via DIP switch. For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

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

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



Hardware Overview



Standards & Hardware Specifications

Standard
IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3ab 1000BASE-T
IEEE 802.3bz 2.5G/5GBASE-T
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
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 : Data
RJ-45 x1 : Data + Power
Power Interface
Output: RJ45 Passive 802.3bt 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-DMG Main Unit	x1
POE Kit	x1
Inside diameter 2.1 (PHY) mm DC to DC cable	x1
Quick Installation Guide	x1
Warranty Card	x1

Environmental & Mechanical Characteristics

Max Power Output
4Pair 90Watt
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 boosted voltage and conversion to compatible with 802.3bt power level PoE 56V output)
PoE constant voltage range : DC 50~57V (When using DC Input)
DC Input Current (Max)
DC 12V/5A , 24V/3.75A, 37.5V/2.4A, 48V/1.875A
LED
System: Power (Green) x1
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)
230g
Form Factor
Desktop/Wall mounting installation
Case of material
Metal
Production Location
TW
Certifications
FCC ,CE, RoHs compatible