

# Product Introduction



## **DC12-56V WIDE TEMP/VOLT TO PoE ADAPTER SERIES**

[www.cerio.com.tw](http://www.cerio.com.tw)

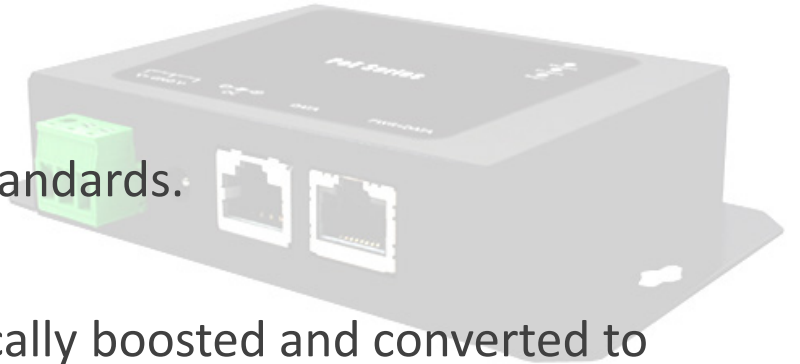
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## Highlight Features

POE-DGT-ZW

- ✓ 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 or Mid-span power pin, and the LED displays the PoE power type.
- ✓ Support 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.

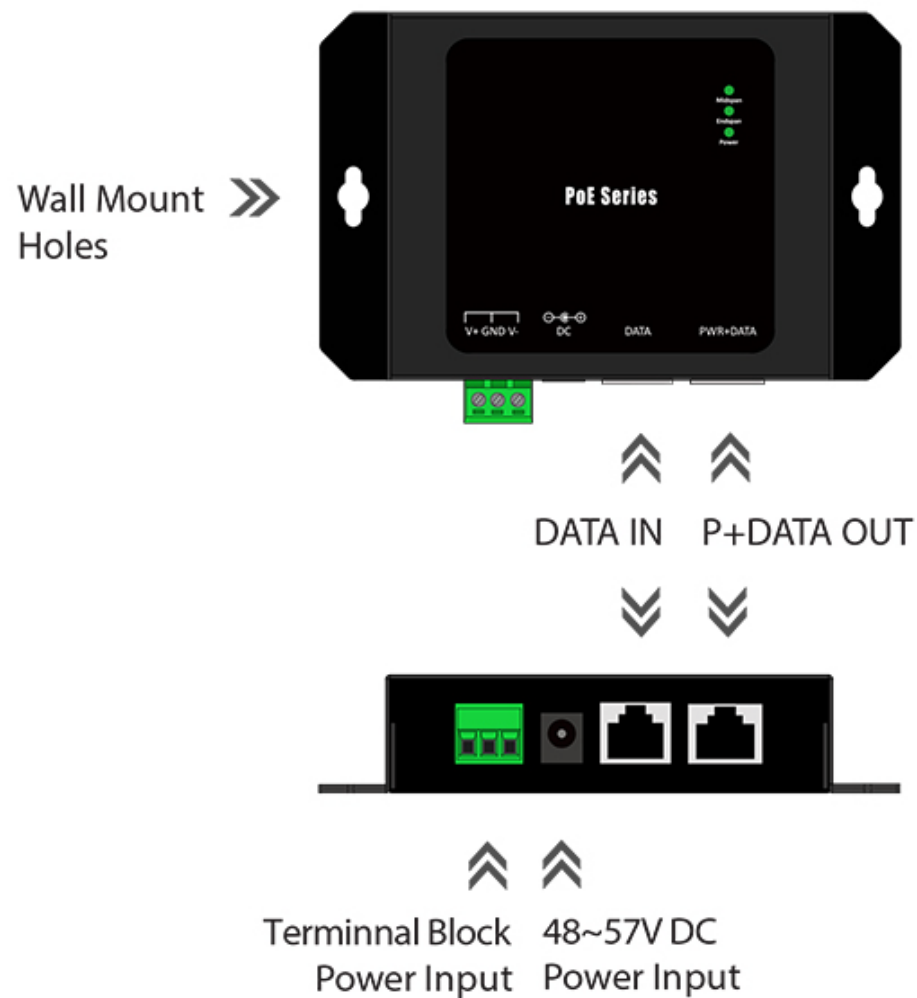


## Highlight Features

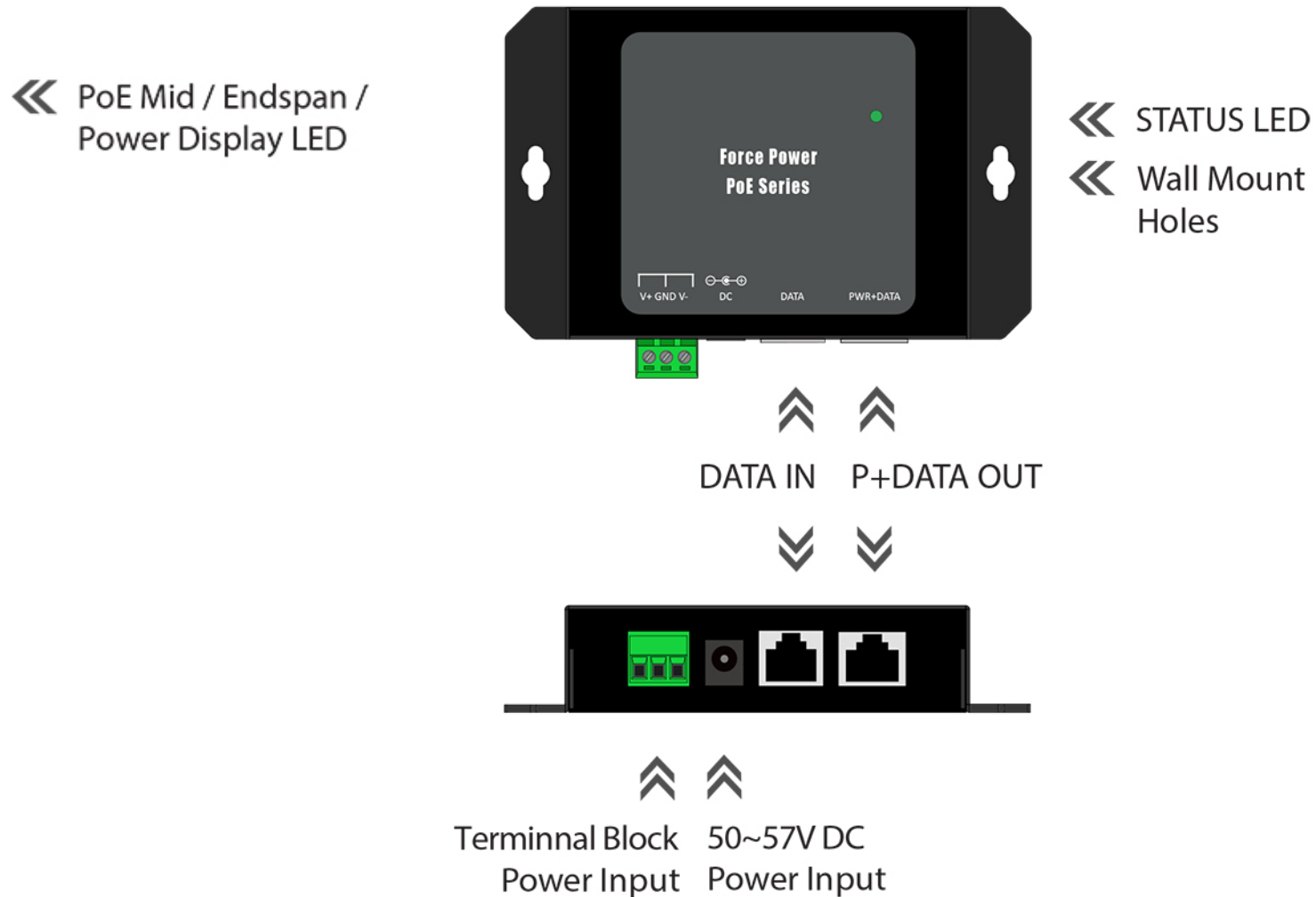
- ✓ Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3bz 2.5G/5G BASE-T standards.
- ✓ Supports Multi Gigabit (1/2.5/5Gbps) Ethernet connection ability.
- ✓ Supports a wide range input voltages of 12~56V. It can be automatically boosted and compatible with IEEE 802.3bt PoE Class8 and backward power level PD device for PoE 56V power output.
- ✓ Support passive PSE/PoE Power Over Ethernet function, Max PoE Output up to 4Pair 90Watt.
- ✓ Supports two power interface: Supports screw terminal power input for power boost system used and extra DC power input for PoE constant voltage used.
- ✓ Supports -40° ~ 75° C wide temperature design which can withstand various high and low temperature environmental applications.



# Hardware Overview

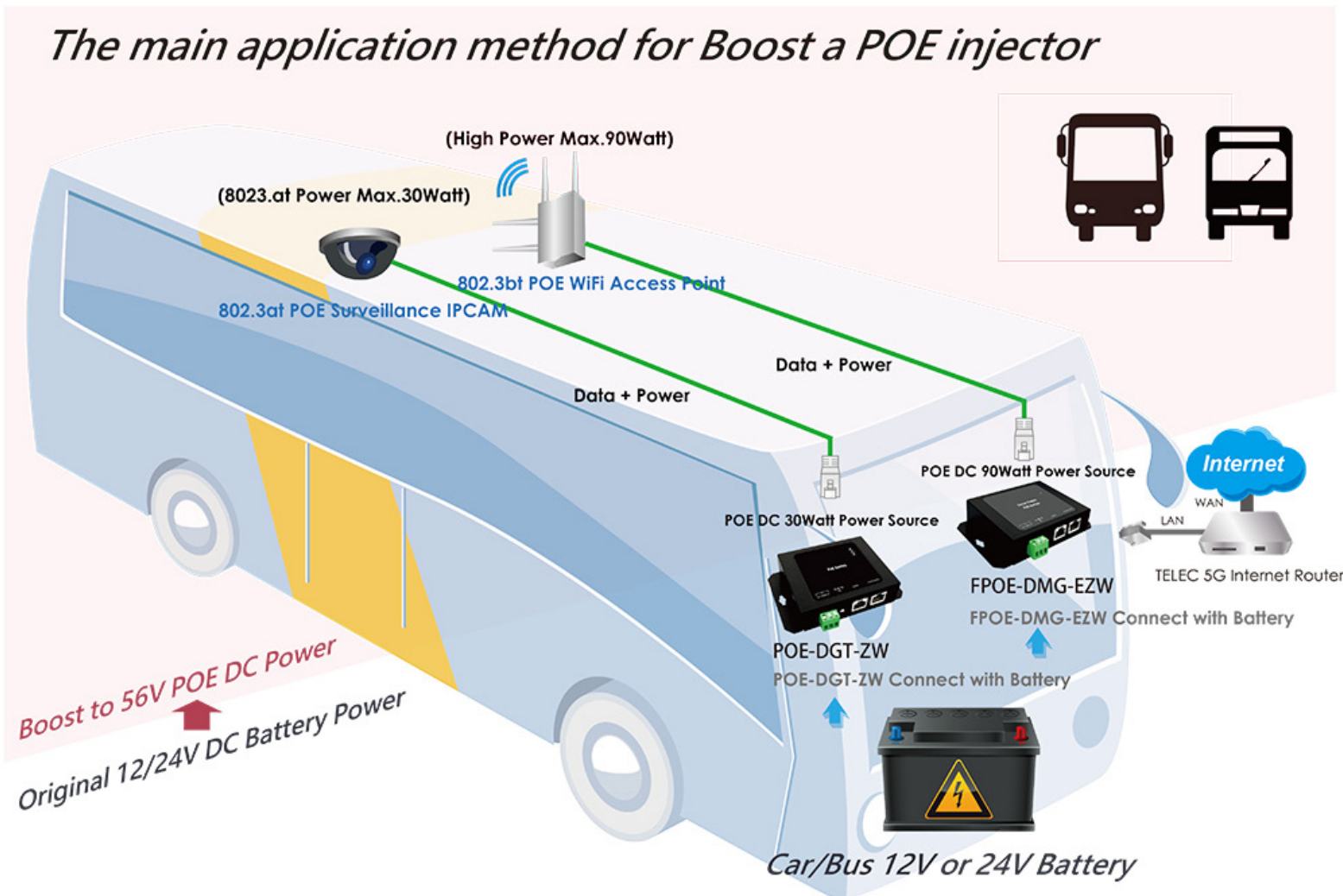


**POE-DGT-ZW**



**FPOE-DMG-EZW**

**CERIO Wide Temp/Volt to PoE Adapter Series** can receive power systems, such as 12V/24V/48V fixed or mobile battery through the Screw Terminal Block, then boost and conversion to PoE 56V output to the PoE PD devices. It providing a perfect power over Ethernet solution for the BUS/MRT/Trains transportation systems.



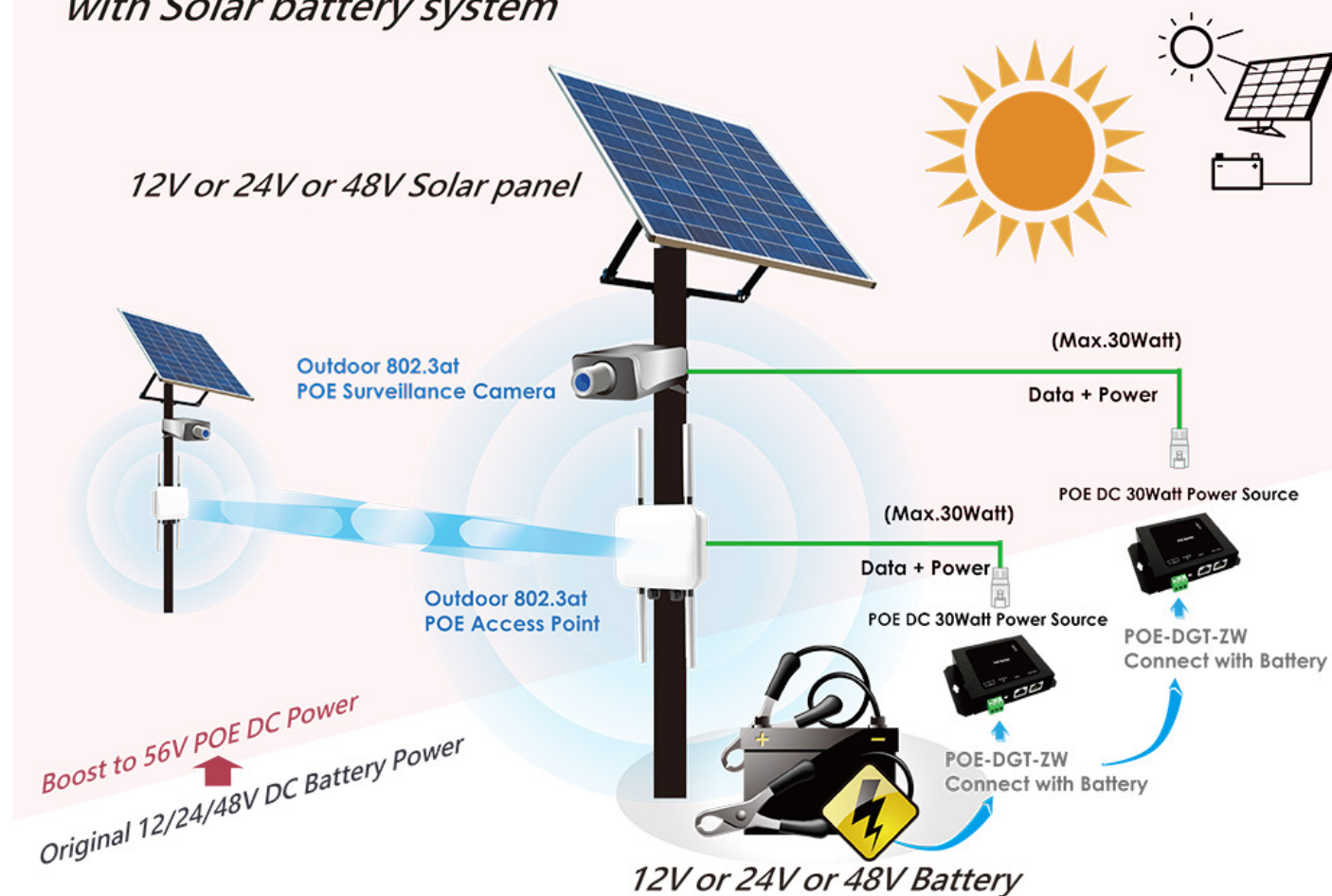


**CERIO**

**CERIO Wide Temp/Volt to PoE Adapter Series** can receive power systems from the solar battery system, through the Screw Terminal Block, then boost and conversion to PoE 56V output to the PoE PD devices.

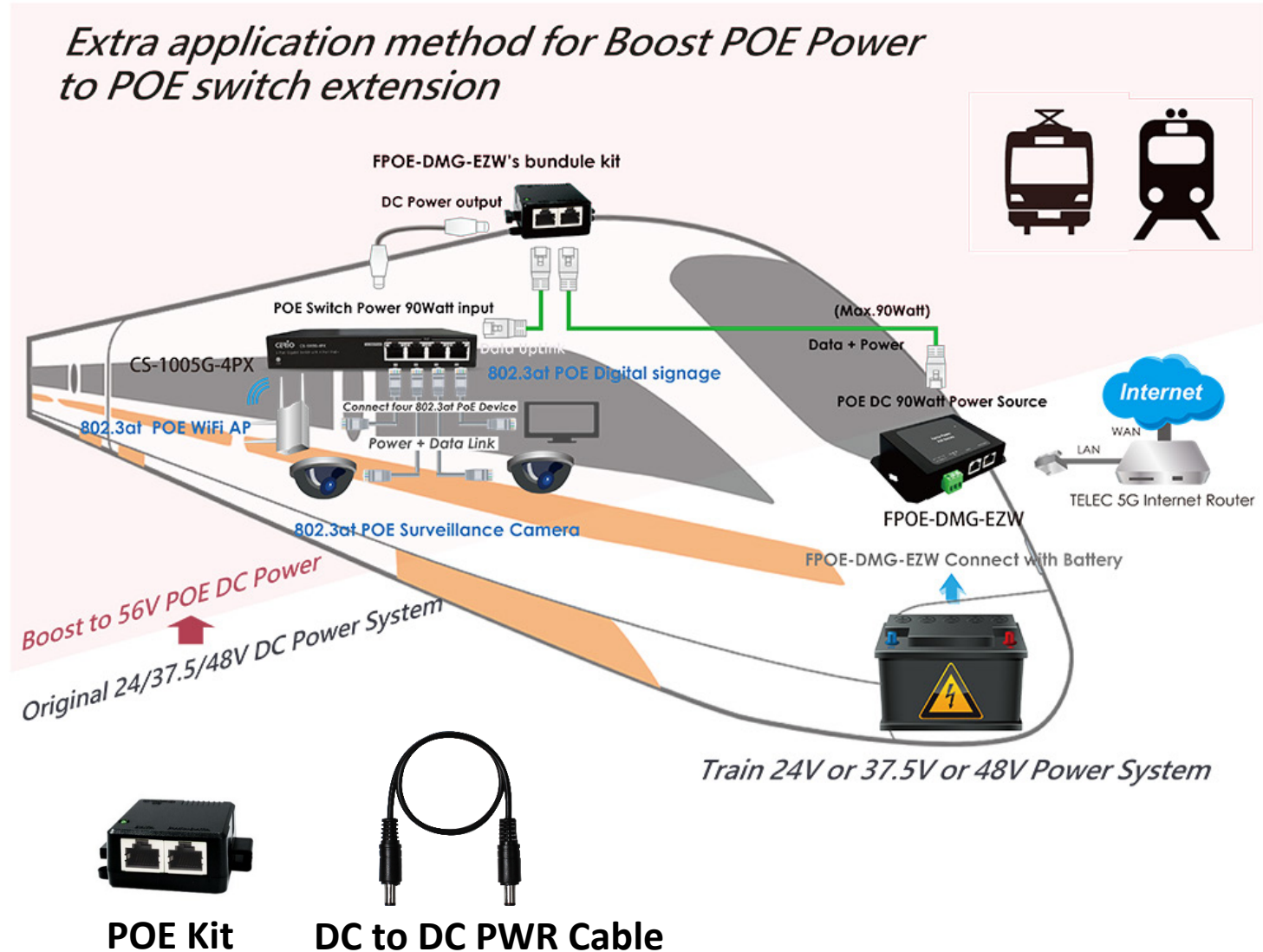


*The main application method for Boost a POE injector with Solar battery system*



## Extra Application (POE Switch Extension)

**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.





## Extra Application (For Only DC In Equipment-Max 24Watt)

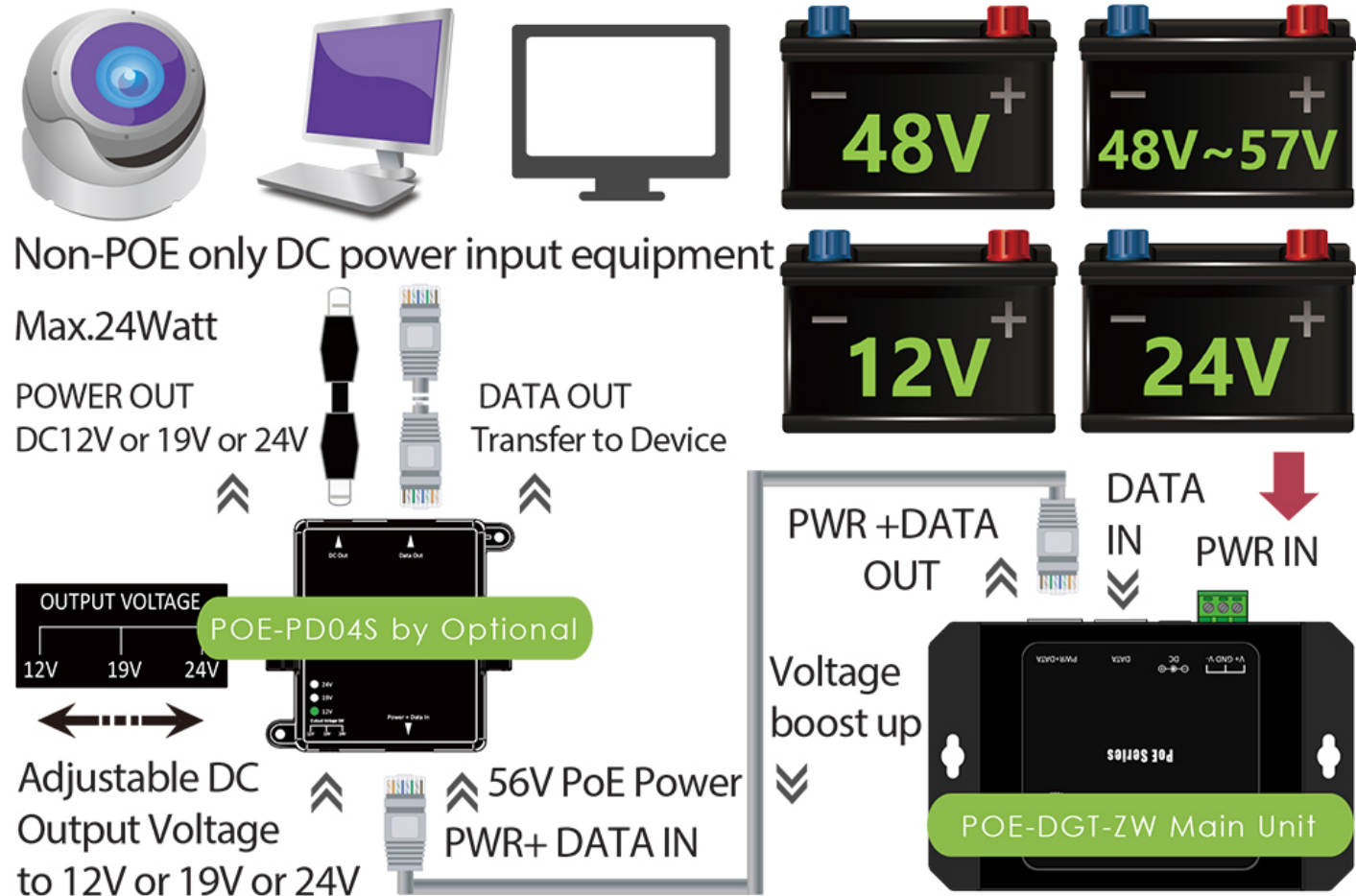


It can be used with CERIO POE splitter which can receive network power + data, then separate to only DC/Power output and only Ethernet/Data output. It supports 12V, 19V and 24V DC output adjustable via DIP switch. And the DC output power Max. up to 24Watt. For network devices that only support DC Input, it provides an economical and affordable solution.



### **POE-PD04S**

10/100/1000M Gigabit  
PoE+ Splitter



Extra application method of equipment with only DC input

## Extra Application (For Only DC In Equipment-Max 80Watt)

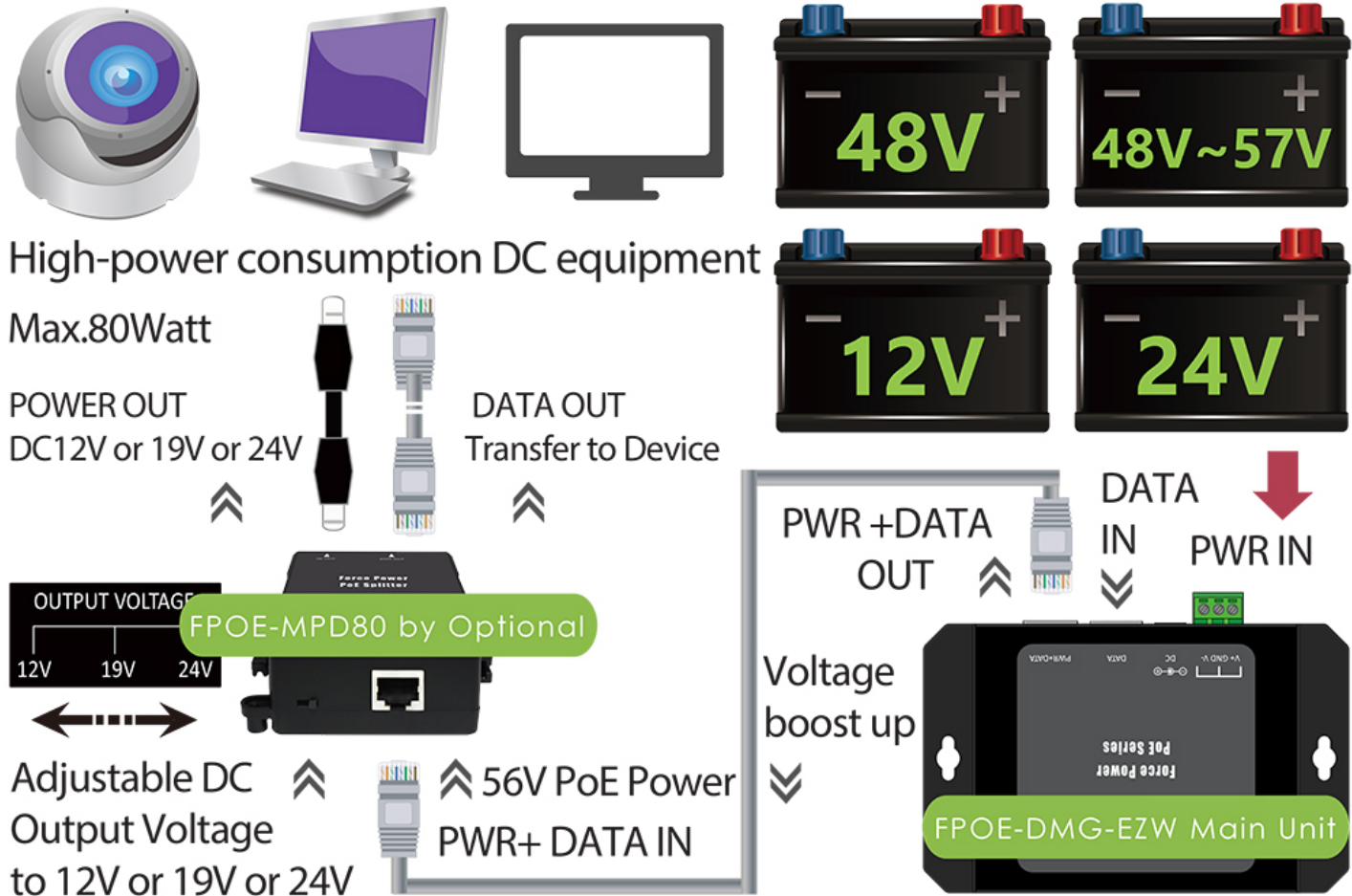


It can be used with CERIO 4Pair Force Power Multi Gigabit PoE++ Splitter which can receive network power + data, then separate to only DC/Power output and only Ethernet/Data output. It supports 12V, 19V and 24V DC output adjustable via DIP switch. And Max DC output power up to 80Watt. Provides a perfect solution for high-power network devices that only receive DC In power interface.



### **FPOE-MPD80**

4Pair Force Power Multi Gigabit PoE++ Splitter



Extra app method of DC equipments requiring high-power

# Wide Temperature & Durable Metal Case Design



## Wide Temperature Design:

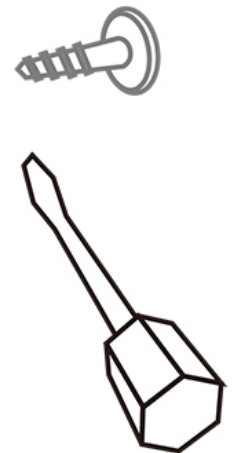
Supports a wide range temperature design of  $-40^{\circ} \sim 75^{\circ} \text{C}$ . It's durable, reliable which fully meets the application requirements in various environments.



*Wide Temperature Supported*

## Durable Metal Case Design:

Provides an industrial durable and high-reliability metal case design. It also supports wall mounting installation, which can meet high-standard industrial environment network construction requirements.



WALL MOUNTING

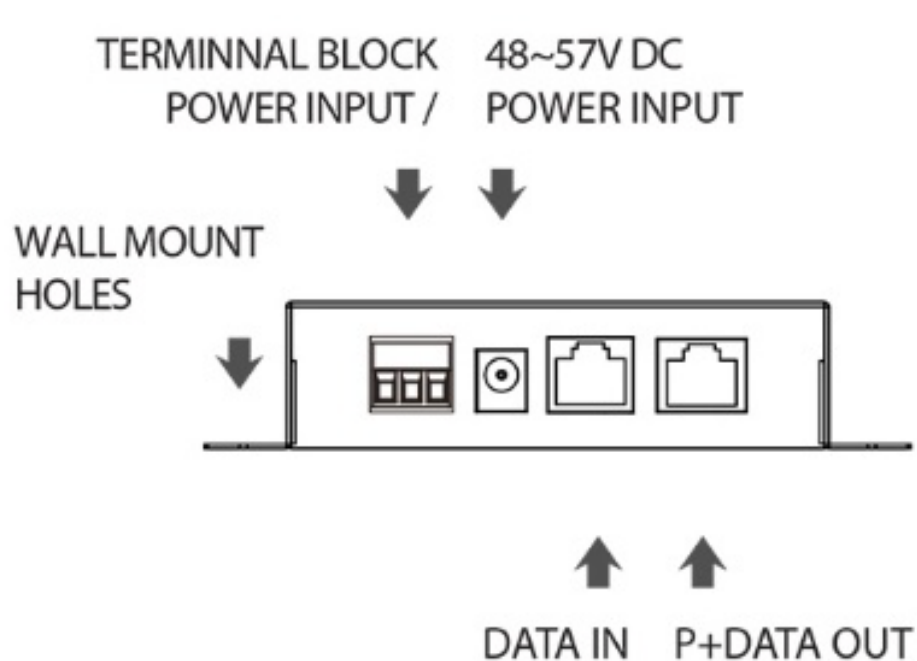
# Multi Power Input Interfaces

## ◎ Main PWR input using for boost voltage system

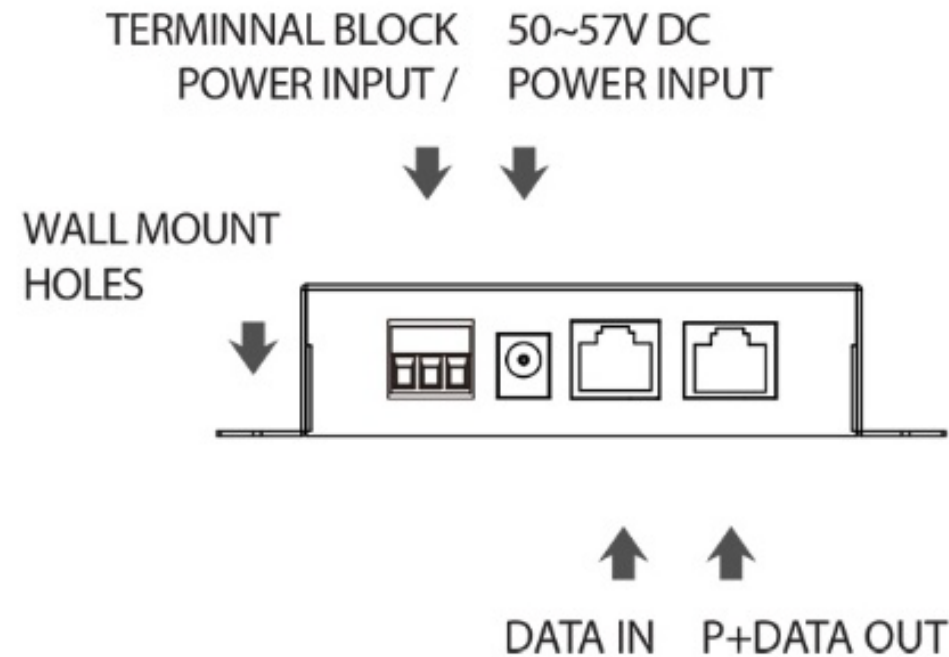
- ① POE-DGT-ZW Screw Terminal Block In 12~56V
- ② FPOE-DMG-EZW Screw Terminal Block In 12~56V

## ◎ Extra PWR input using for PoE constant voltage input

- ① POE-DGT-ZW DC In (48~57V)
- ② FPOE-DMG-EZW DC In (50~57V)



POE-DGT-ZW



FPOE-DMG-EZW

# POE PD Detector Function (POE-DGT-ZW)



The Active Gigabit Wide Temperature/Voltage to 30Watt PoE+ Adapter (POE-DGT-ZW) supports Auto-detect PD power supply is powered by End-span (Type-A) or Mid-span (Type-B) and LED display PoE power type. Also it supports both End-span (Type-A) and Mid-span (Type-B) power pin designed, therefore no matter the PD devices is designed Type-A or Type-B all can supply power automatically.



PoE Type Display LED  
Midspan(B-Type) / RJ45 4,5,7,8 PIN  
Endspan(A-Type) / RJ45 1,2,3,6 PIN

Wall Mount  
Holes



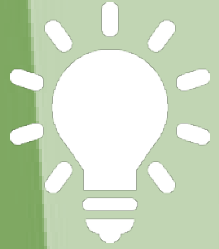


# Ideal Deployment

**CERIO**



# What we do



## Innovation & Design

Our R&D team continues to incorporate the newest protocols and features to make our products perfect for enterprise deployment.



## Enterprise Networking Solutions

Our Field Application Engineers and Specialists have unparalleled experience providing the perfect solution for any network projects (e.g. Hotels, Public transportation, Government and Universities)



## Software Development & Design

Our software provides a high featured and easily operated User Interface and also supports OEM/ODM service.



## Outstanding Customer Service

CERIO's customer service staff are experts on our products and possess clear and patient communication skills.

# THANK YOU

## CERIO Corporation

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