

# Product Introduction

## **WIDE TEMPERATURE PoE+ INJECTOR SERIES**

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PoE Speed Dome / PoE ipcam surveillance and PoE wireless Access Point

**POE**

Cat.5e 1Gbps Speed **30Watt**

Cat.6 5Gbps Speed **60Watt**

Cat.6a 10Gbps Speed **90Watt**

**+75°C**  
**-40°C** *Wide Temperature Supported*

**30Watt 10/100/1000M Gigabit PoE Injector (POE-DGT-30W)**

**60Watt 1/2.5/5/10Gigabit PoE Injector (FPOE-DXG-60W)**

**90Watt 1/2.5/5/10Gigabit PoE Injector (FPOE-DXG-90W)**

## Wide Temperature PoE+ Injector Series

provides a reliable hardware solution for demanding of 30Watt / 60Watt / 90Watt PoE/PD powered devices. It provides entry-level applications, high flexibility and increased expansion capabilities, greatly simplifying the wiring process and expense. It can meet the current and future needs for ultra-high 10Gbps speed and high-power PD network equipment. through UTP Ethernet Cable to deliver both data and power to PD device, such as PoE WiFi AP, PoE IP Speed Dome PTZ CAM and surveillance system equipment provide a stable high power PoE powered solution.

# 30Watt 10/100/1000M Gigabit Wide Temperature PoE+ Injector



POE-DGT-30W

## Highlight Features

- ✓ Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE802.3at PoE+, IEEE 802.3af PoE standards.
- ✓ Supports 10/100/1000M Gigabit Ethernet connection ability.
- ✓ Auto detect PD power supply is powered by End-span (Type-A) or Mid-span (Type-B) power pin, and LED indicators for Power function enable.
- ✓ Bundle 56V power adapter and Max Output power up to 30Watts (IEEE 802.3at). And this power adapter supports interchangeable plug (optional) which can meet the needs of international power plug applications.
- ✓ Provide Screw Terminal Block and DC In both Power System. User can select either one to supply power.
- ✓ Supports  $-40^{\circ} \sim 75^{\circ}$  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, IEEE 802.3bz 2.5G/5G BASE-T, IEEE 802.3an 10GBASE-T standards.
- ✓ Supports 5-speed (100M/1G/2.5G/5G/10G) Ethernet connection ability.
- ✓ Supports PoE PSE/PD function and compatible with IEEE 802.3bt Type3 Class6 and backward power level PD device.
- ✓ Provides Force Power PoE++ output ability, and low cable-loss which can maintain 60Watt PoE power up to 100 meters distance.
- ✓ Provide Screw Terminal Block and DC In both Power System. User can select either one to supply power.
- ✓ Supports  $-40^{\circ} \sim 75^{\circ} \text{C}$  wide temperature design which can withstand various high and low temperature environmental applications.

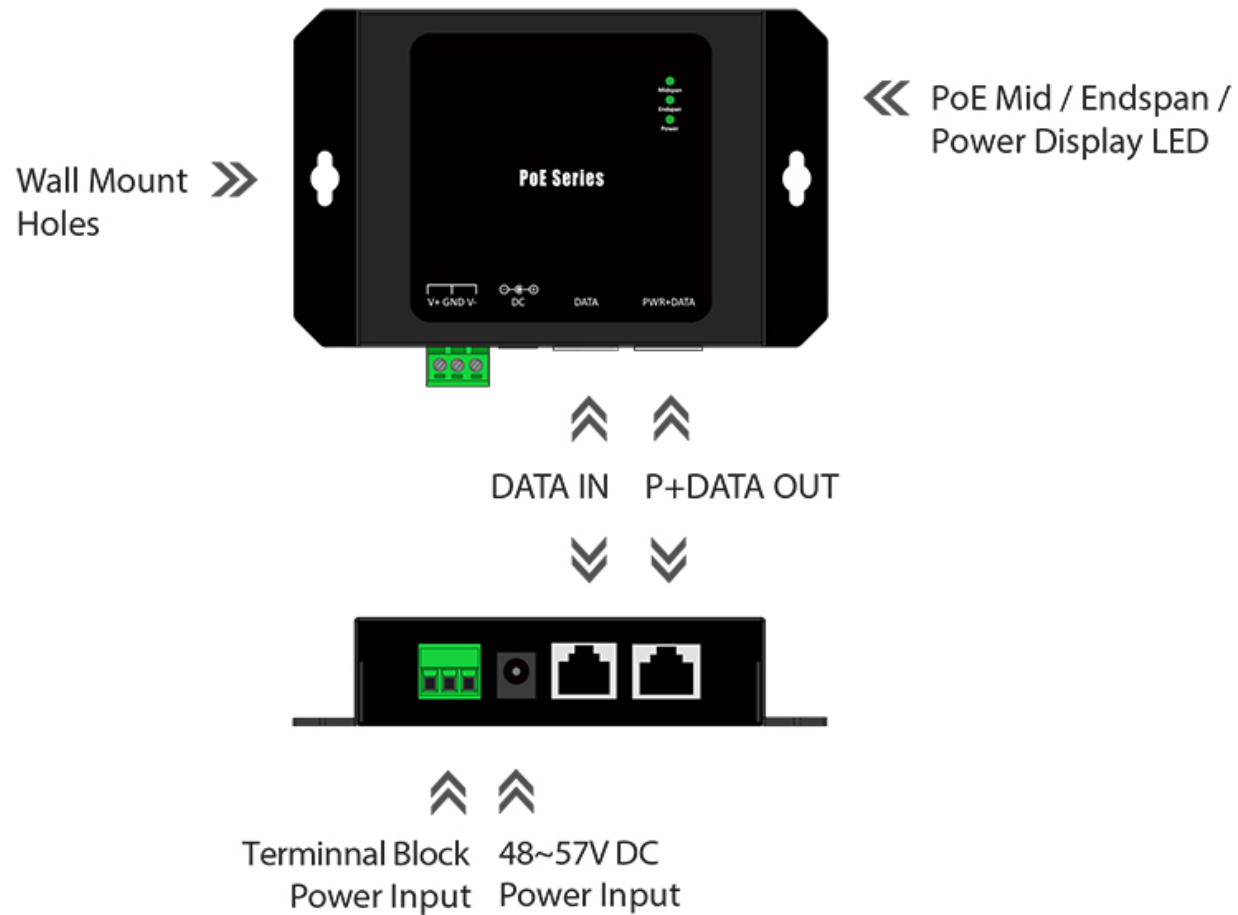


## Highlight Features

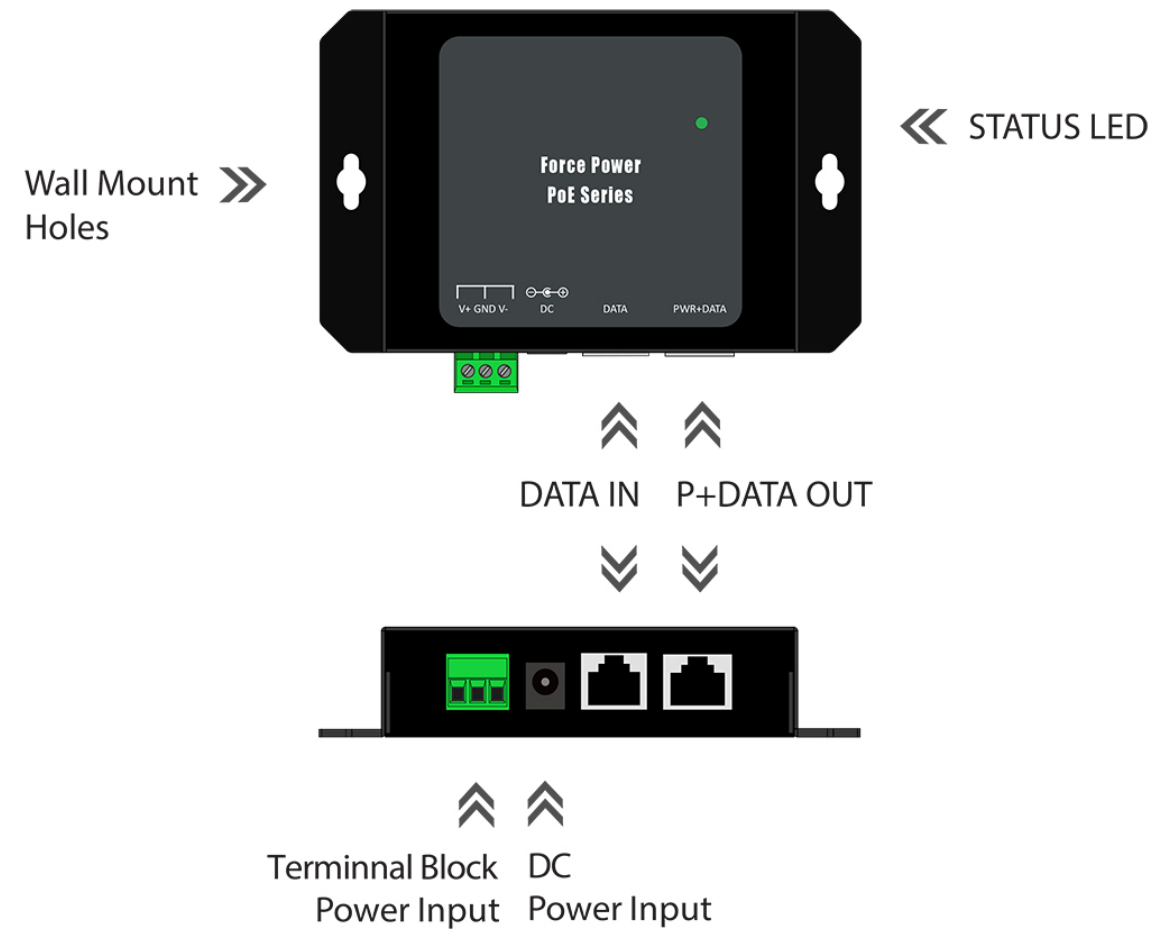
- ✓ Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3bz 2.5G/5G BASE-T, IEEE 802.3an 10GBASE-T standards.
- ✓ Supports 5-speed (100M/1G/2.5G/5G/10G) Ethernet connection ability.
- ✓ Supports PoE PSE/PD function and compatible with IEEE 802.3bt PoE Class8 and backward power level PD device.
- ✓ Provides Force Power PoE++ output ability, and low cable-loss which can maintain 90Watt PoE power up to 100 meters distance.
- ✓ Provide Screw Terminal Block and DC In both Power System. User can select either one to supply power.
- ✓ Supports  $-40^{\circ} \sim 75^{\circ}$  C wide temperature design which can withstand various high and low temperature environmental applications.



# Hardware Overview



**POE-DGT-30W**



**FPOE-DXG-60W / FPOE-DXG-90W**

# Product Application (Max. POE Output up to 30Watt)

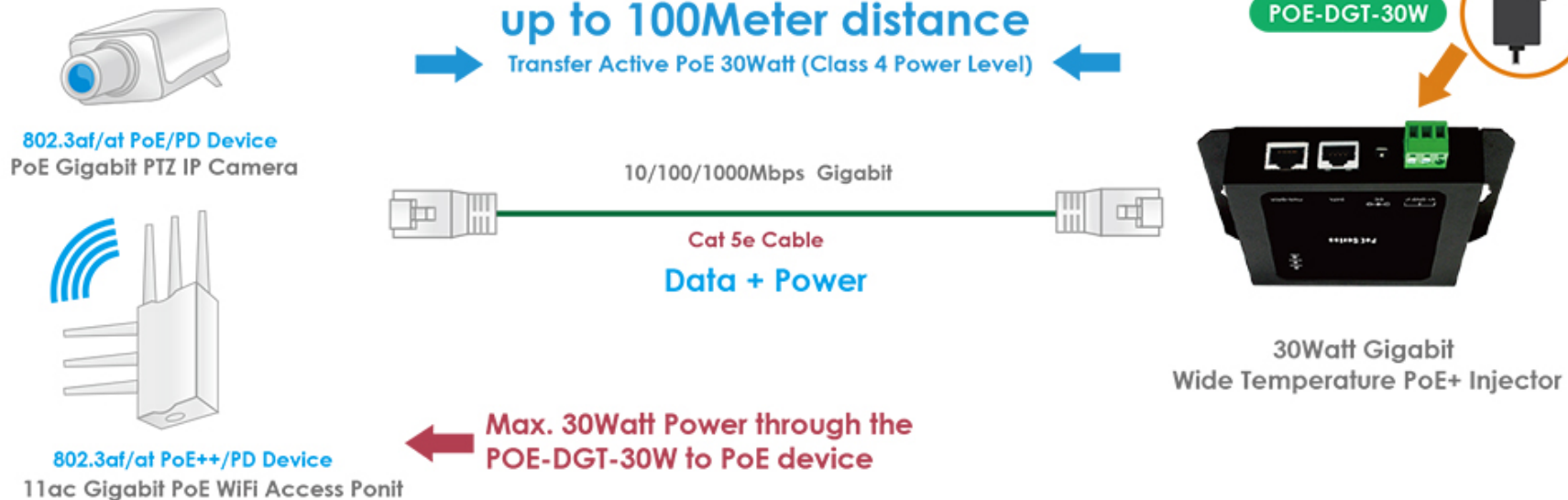


**CERIO POE-DGT-30W** 30Watt 10/100/1000M Gigabit Wide Temperature PoE+ Injector supports DC 48-57V input voltage, The max. PoE output power up to 30Watt. The POE-DGT-30W With Power over Ethernet devices installed, the system administrator only has to use a single RJ-45 Ethernet cable to carry both power and data to each device.

## 48~57VDC Power Supply applied to PoE Output for 802.3af/at Gigabit Device

Gigabit POE or POE+ PTZ IP CAM / AP Device

Connect 48~57VDC Power Supply





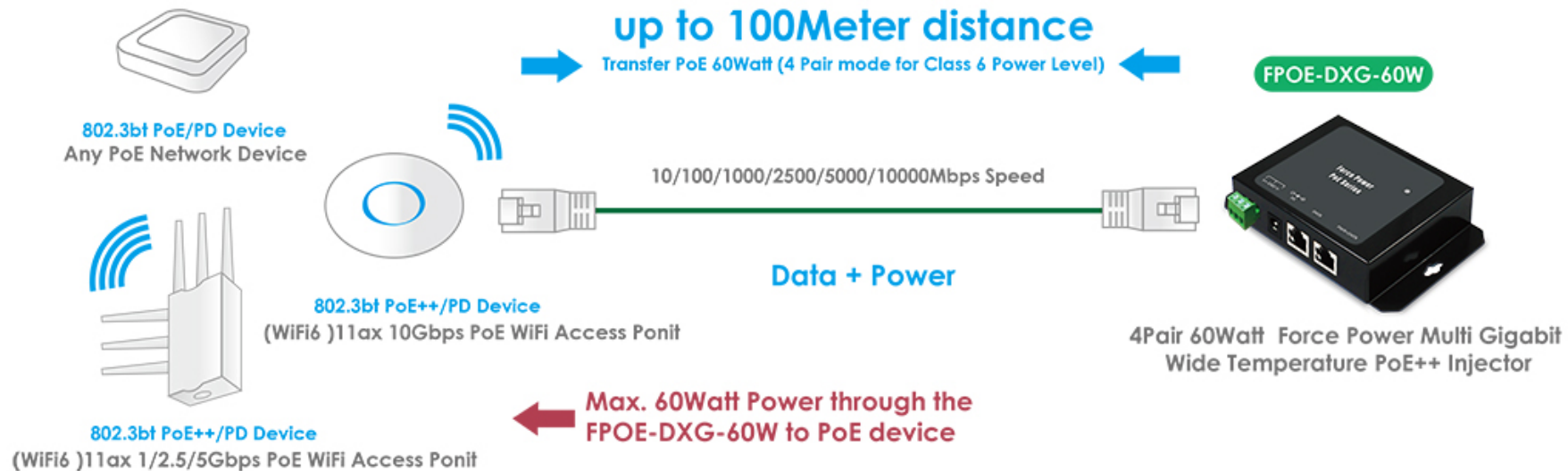
# Product Application (Max. POE Output up to 60Watt)



**CERIO FPOE-DXG-60W** 4Pair 60Watt Force Power Multi Gigabit Wide Temperature PoE++ Injector provides 5-speed (100M/1G/2.5G/5G/10G) Ethernet connection ability. The Maximum Ethernet transmission capacity up to 10Gbps. It provides DC 50-57V input voltage and a reliable hardware solution for demanding of IEEE 802.3bt Type3/Class5 45Watt and Class6 60Watt PoE power level PoE/PD powered devices.

## Applied to PoE Output for 802.3bt/at/af Power Level Multi Giga Device

POE for 1Gigabit /2.5Gigabit /5Gigabit /10Gigabit Device



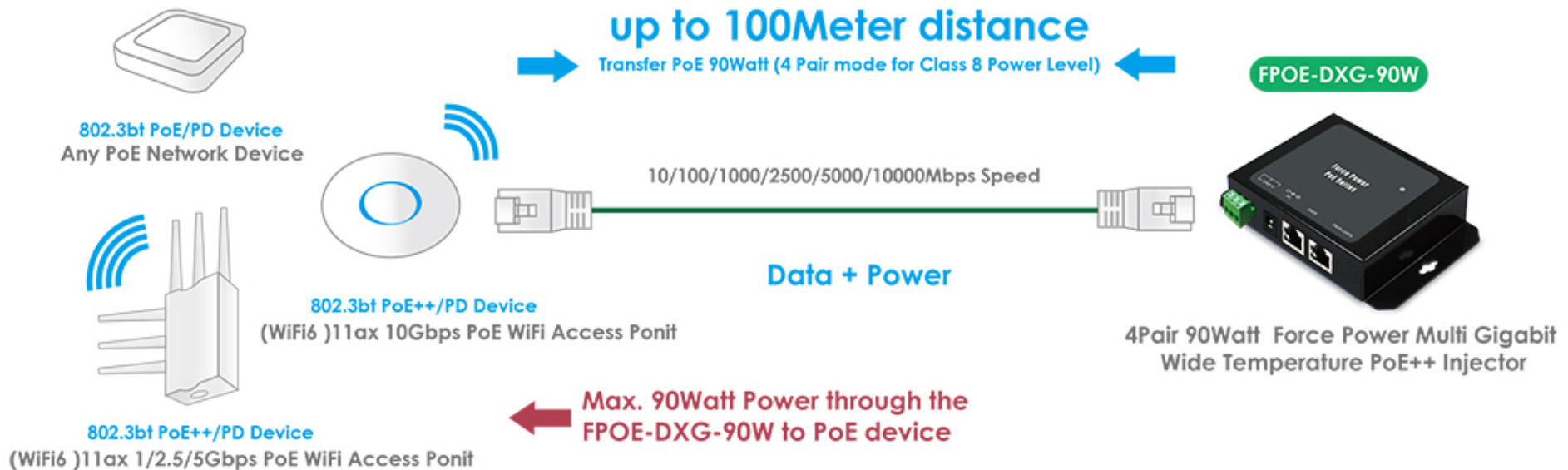
# Product Application (Max. POE Output up to 90Watt)



**CERIO FPOE-DXG-90W** 4Pair 90Watt Force Power Multi Gigabit Wide Temperature PoE++ Injector provides 5-speed (100M/1G/2.5G/5G/10G) Ethernet connection ability. The Maximum Ethernet transmission capacity up to 10Gbps. It provides DC 50-57V input voltage and a reliable hardware solution for demanding of IEEE 802.3bt Class8 90Watt PoE power level PoE/PD powered devices.

## Applied to PoE Output for 802.3bt/at/af Power Level Multi Giga Device

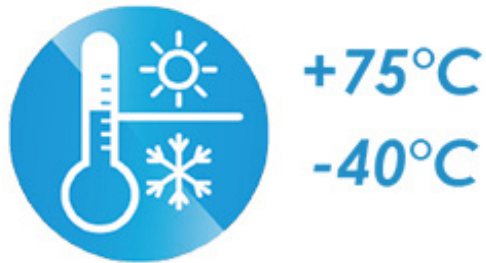
POE for 1Gigabit /2.5Gigabit /5Gigabit /10Gigabit Device



# Wide Temperature & Durable Metal Case Design

## Wide Temperature Design:

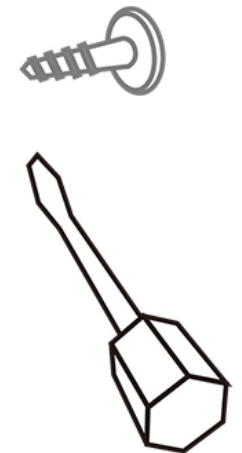
Supports a wide range temperature design of  $-40^{\circ} \sim 75^{\circ}$  C. It's durable, reliable which fully meets the application requirements in various environments.



*Wide Temperature Supported*

## Durable Metal Case Design:

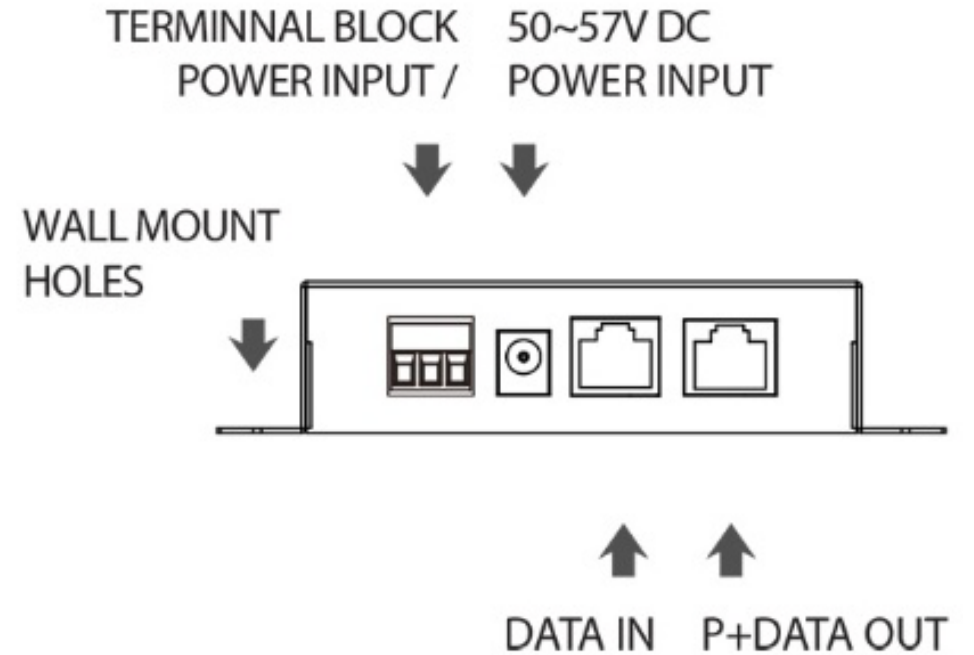
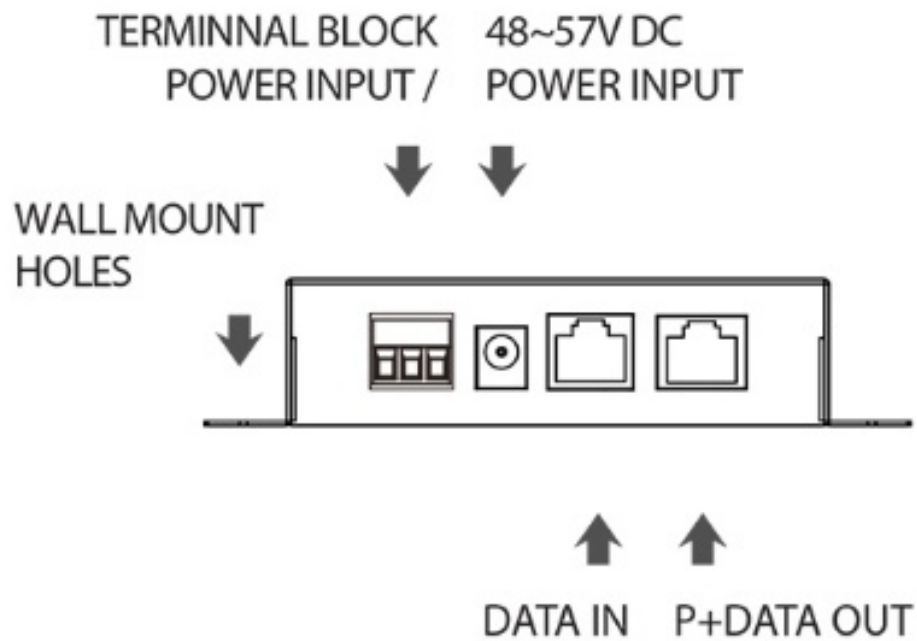
Provides an industrial durable and high-reliability metal case design. It also supports wall mounting installation, which can meet high-standard industrial environment network construction requirements.



WALL MOUNTING

# Multi Power Input Interfaces

Provide Screw Terminal Block and DC In both Power System. User can select either one to supply power.



**POE-DGT-30W**

**FPOE-DXG-60W / FPOE-DXG-90W**

# POE PD Detector & Power Interchangeable Plug (POE-DGT-30W)



## POE PD Detector Function

The POE-DGT-30W Gigabit Wide Temperature PoE+ Injector 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



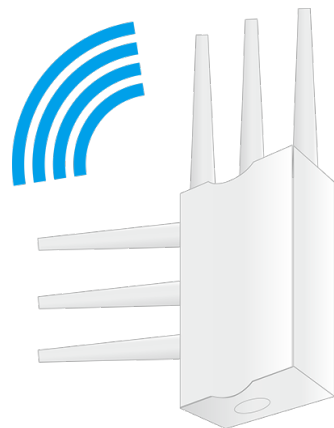
## Power Interchangeable Plug

Bundle 56V power adapter supports interchangeable plug (optional), which can meet the needs of international power plug applications.

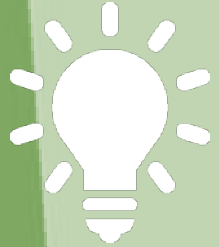


**CERIO Force Power PoE++ Series it's the perfect solution for high-power demand PD devices such as:**

- AIO (All-in-One) touch PC
- PoE IP Speed Dome PTZ CAM
- The latest WiFi 6 generation 802.11ax WiFi AP
- Industrial PC
- Remote digital signage display
- Any network devices which requires PoE high power requirements



# 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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