

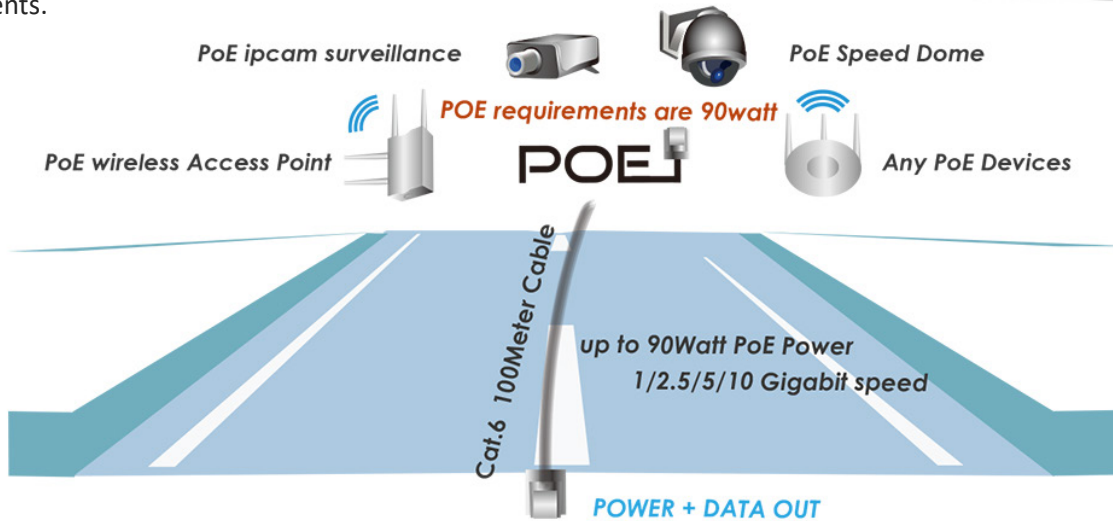
FPOE-DXG-90W

4Pair 90Watt Force Power Multi Gigabit Wide Temperature PoE++ Injector

EAN Code : 4712757159141



The CERIO FPOE-DXG-90W is a Passive type 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. 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. It provides Industrial grade durable and reliable metal casing and wide temperature (-40° ~ 75° C) design, also supports wall-mounting installation, which can meet high-standard industrial environment network construction requirements.



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

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



FPOE-DXG-90W

2Pin cable
plug in



+75°C Wide temperature
-40°C



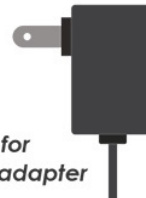
DC jack
plug in

Power Source
Car Battery



DATA IN

Power Source
DC Adapter



Original Budle for
90Watt 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 802.3an 10GBASE-T standards.
- Supports 5-speed (100M/1G/2.5G/5G/10G) Ethernet connection ability.
- Supports PoE PSE/PD function and provides 802.3bt PoE Class8 and backward power level for 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° ~ 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.
- Supports desktop, wall mounting installation.

Functionality

FPOE-DXG-90W 4Pair 90Watt Force Power Multi Gigabit Wide Temperature PoE++ Injector with latest Force High Power Hardware design through 4Pair UTP Ethernet Cable to deliver both data and power to PD device, such as the latest WiFi 6 generation 802.11ax PoE WiFi AP, PoE IP Speed Dome PTZ CAM and surveillance system equipment provide a stable high power PoE powered solution. It is also suitable for the application of vehicle power system. Ex. fixed or mobile batteries, solar or power engine combined independent power systems etc. Supports -40° ~ 75° C wide range temperature design and plug-and-play connection provides a comprehensive and cost-effective solution for industrial environments, car market network planning.

Durable Metal Housing and Wide Temperature Design

CERIO FPOE-DXG-90W provides an industrial durable and high-reliability metal case design and supports a wide range temperature design of -40° ~ 75° C. It's durable, reliable and 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 Force Power Multi Gigabit Wide Temperature PoE++ Injector can provide both data and power for distances of up to **100 meters (328 feet)** from the power source (90Watt) and without cable-loss when using CAT 6a or up cabling.

ESD Protection

FPOE-DXG-90W supports ESD, Electro Static Discharge protection includes Over Voltage protection and Short Circuit Protection ensuring device safety.

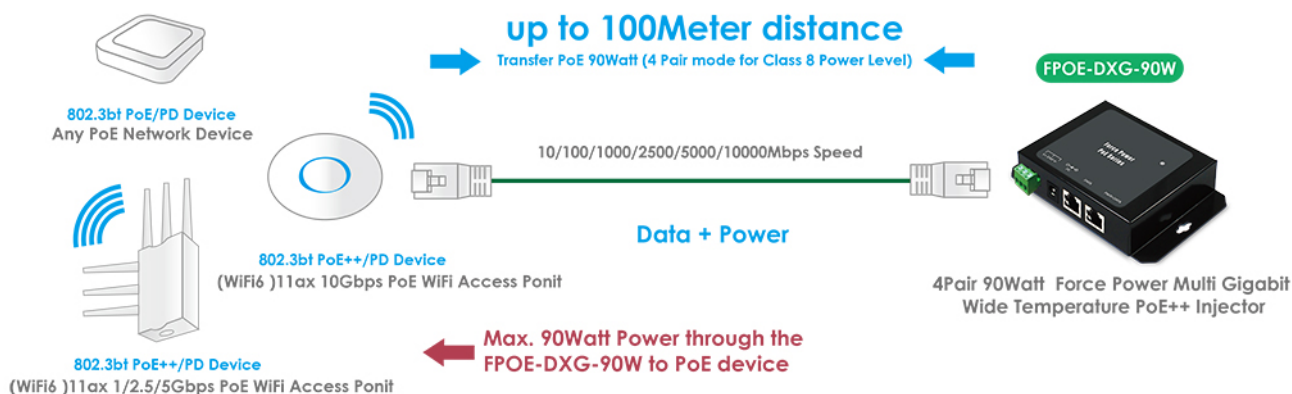
Easy installation

Plug-and-Play, requires no configuration.

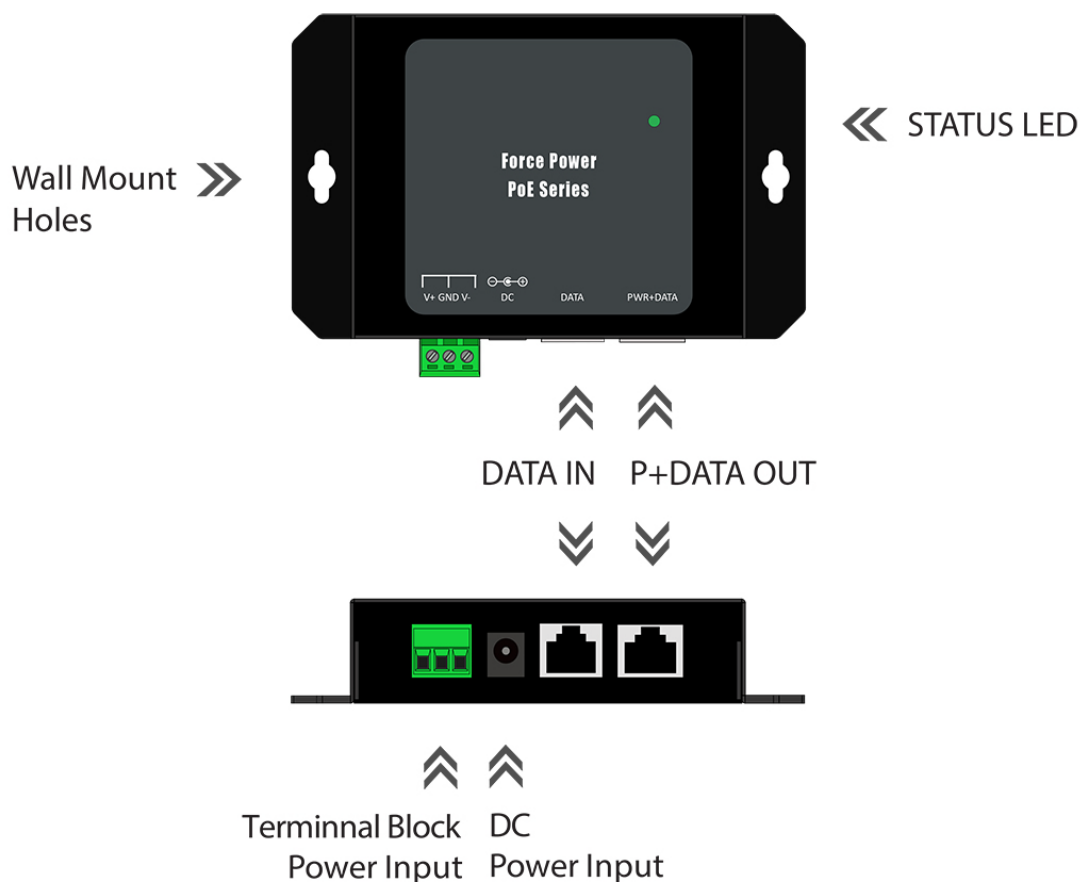
Product Application

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

POE for 1Gigabit /2.5Gigabit /5Gigabit /10Gigabit 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	
IEEE 802.3an 10GBASE-T	
Network Media	
10BASE –T: UTP Cat. 3 or up	
100BASE-TX: UTP Cat.5 or up	
1G/2.5G/5GBASE-T : UTP Cat.5e or up	
10GBASE-T : UTP Cat.6a or up	
Data Transfer Rate	
10M/100M/1G/2.5G/5G/10Gbps (Half-duplex),	
20M/200M/2G/5G/10G/20Gbps (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 : Power + Data	
RJ-45 x1 : Data	
Power Interface	
Output: RJ45 Passive 802.3bt 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	

Package Contents

Contents	
FPOE-DXG Main Unit	x1
90Watt Power Adapter	x1
Warranty Card	x1

Environmental & Mechanical Characteristics

Max Power Output	
4Pair for 90Watt	
Power Requirement	
56V 90Watt External Power Supply	
Input Voltage	
50 ~ 57Volt	
Cable and Power Loss	
@ 100Meter : Keep power source ability (90Watt) with Cat.6a or up Cable	
LED	
System LED: Power	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)	
229g (including Screw Terminal Block)	
Form Factor	
Desktop/Wall mounting installation	
Case of material	
Metal	
Production Location	
TW	
Certifications	
FCC ,CE, RoHs compatible	