

# FPOE-PE-60W

4Pair 60Watt Force Power Multi Gigabit PoE++ Injector

EAN Code : 4712757159158



The CERIO FPOE-PE-60W is a Passive type Multi Gigabit PoE++ Injector. It provides DC 50-57V over Ethernet cables. Provides a reliable hardware solution for demanding of PoE++ Type3/Class5 45Watt and Class6 60Watt PoE power level PoE/PD powered devices. Simultaneously transmit network data and power to the PD equipment through the 4Pair UTP Ethernet Cable transmission. This Force Power PoE++ Injector series provides entry-level applications.

*External Power PoE Injector -60Watt Multi Gigabit for 50V~57V DC input Force Power PoE deployment*

Giga/Multi Giga ipcam surveillance



Giga/Multi Giga PoE Speed Dome

POE requirements are 60watt

Any Giga PoE Devices



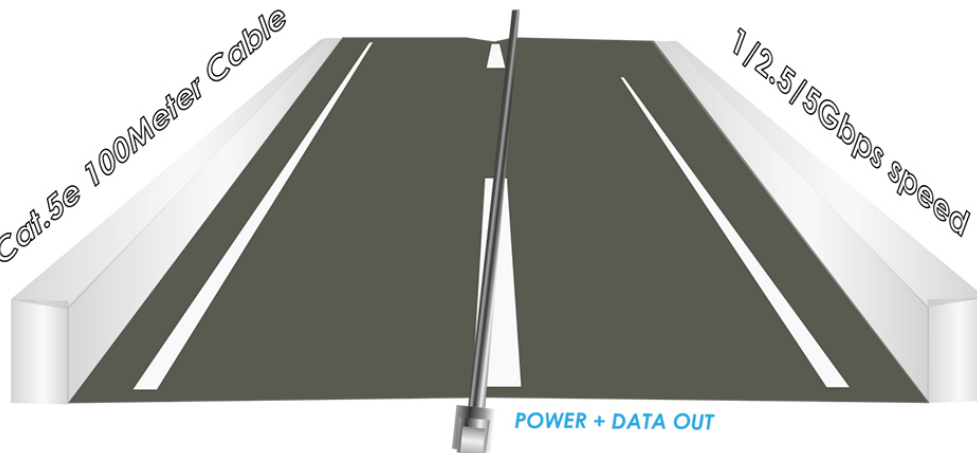
**POE**



11ax PoE Access Point

Cat.5e 100Meter Cable

1/2.5/5Gbps speed



UP TO 60WATT  
POE POWER



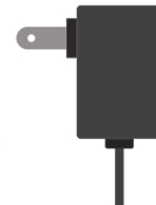
FPOE-PE-60W



DATA IN

Power input interfaces :  
DC jack

Power Source  
DC Adapter



50~57V 60Watt  
power adapter

## Highlight Features

- Supports 1/2.5/5Gbps Multi Gigabit Ethernet and Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE 802.3bz 2.5G/5G BASE-T standard.
- Supports PoE PSE/PD function and provides Passive PoE++ Type3 Class6 and backward power level for PD device
- Provides Force Power PoE++ output ability, and low cable-loss which can maintain 60Watt PoE power up to 100 meters distance.
- Max Output power up to 60Watt power level.
- Over Current Protection and Short-circuit Protection.
- Supports desktop, wall mounting installation and multiple units combination easy to use.

## Functionality

**FPOE-PE-60W** Force Power Multi Gigabit PoE++ Injector brings a great deal of convenience benefits to any environments. With latest Force High Power Hardware design through 4Pair UTP Ethernet Cable to delivery both data and power to PD device. It provides Passive PoE++ Type3 Class6 / 60Watt and Class5 / 45Watt power level for PD device, such as the "PoE IP Speed Dome PTZ CAM " and "the latest WiFi 6 generation 802.11ax WiFi AP provide a stable high power PoE powered solution. The plug-and-play connection provides a best solution for where power outlets are not readily available and provides a cost-effective solution for high-speed security surveillance (CCTV System) and network planning.

## Long Distance Application

Cerio Force Power Multi Gigabit PoE++ Injector can provide both data and power for distances of up to **100 meters (328 feet)** from the power source (60Watt) and without cable-loss when using CAT 6 or up cabling.

## ESD Protection

**FPOE-PE-60W** supports ESD, Electro Static Discharge protection includes Over Voltage protection and Short Circuit Protection ensuring device safety.

## Additional Benefits

Some additional benefits of Cerio Force Power PoE++ Injector include cost saving, convenience in network planning, and higher reliability.

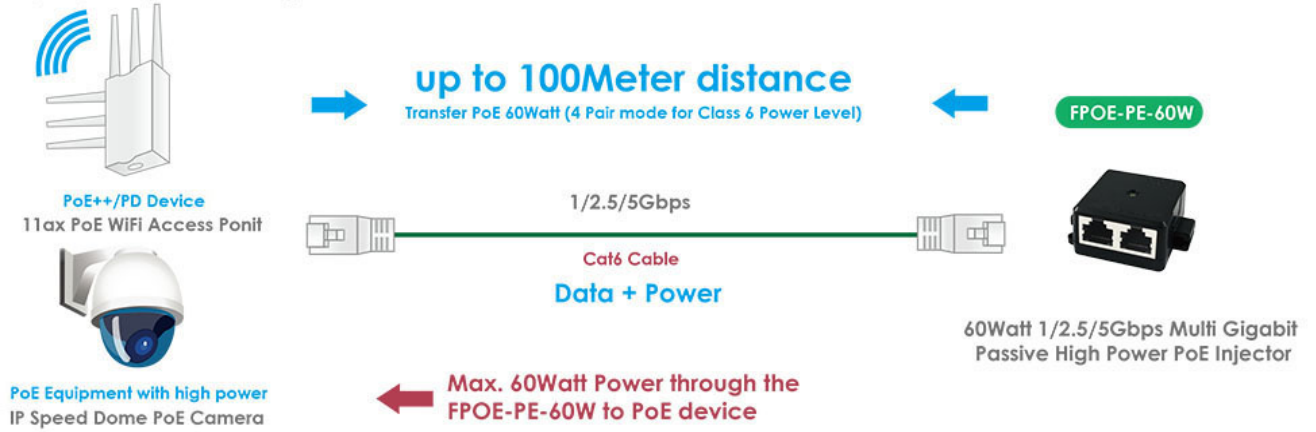
## Easy installation

Plug-and-Play, requires no configuration.

## Product Application

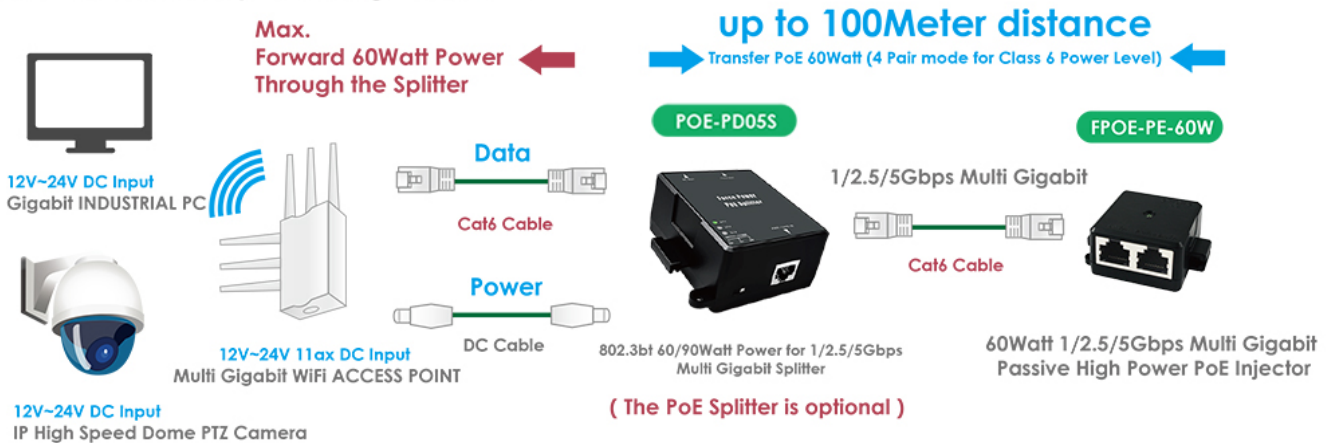
### Force Power Passive PoE Output applied for PoE Device

POE 1/2.5/5Gbps Multi Gigabit Device



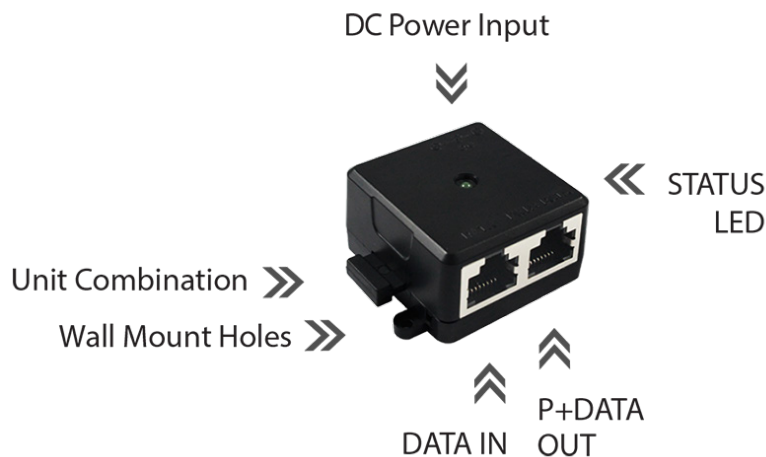
### Force Power Passive PoE applied to DC Output for 12V-24V Device

Non-POE 1/2.5/5Gbps Multi Gigabit Device



\* The force high power splitter allows a non compliant device to upgrade to PoE ,It is used to deploy remote non-PoE devices with no nearby AC outlets.

## Hardware Overview



## Standards & Hardware Specifications

Standard	
IEEE802.3 10BASE-T	
IEEE802.3u 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	
1G/2.5G/5GBASE-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 : Power + Data	
RJ-45 x1 : Data	
Power Connector(Interface)	
DC Jack	
ESD Protection	
Supports ESD (Electro Static Discharge)	
Over Voltage protection and Short Circuit Protection	

## Package Contents

Contents	
FPOE-PE Main Unit	x1
60Watt Power Adapter	x1
Warranty Card	x1

## Environmental & Mechanical Characteristics

Max Power Output	
60Watts	
Power Requirement	
56V 60Watt External Power Supply	
Input Voltage	
50 ~ 57Volt	
Cable and Power Loss	
@ 100Meter : Keep power source ability (60Watt) with Cat.6 or up Cable	
@ 100Meter : “ 14Watt “ with Cat.5e Cable	
LED	
System LED: Power (Green)	x1
Operating Temperature	
0° to 55° C	
Storage Temperature	
-40° to 70° C	
Operating Humidity	
5% to 90% non-condensing	
Storage Humidity	
5% to 90% non-condensing	
Dimension ( W x D x H )	
54 x 41 x 23mm	
Weight ( g )	
29.8g	
Form Factor	
Desktop/Wall mounting / Units Combination	
Case of material	
ABS	
Production Location	
TW	
Certifications	
FCC ,CE, RoHs compatible	