

## FPOE-MG-60W

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



EAN Code : 4712757159172

The **CERIO FPOE-MG-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 **802.3bt 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.

PoE ipcam surveillance



PoE Speed Dome

POE requirements are 60watt

Any PoE Devices



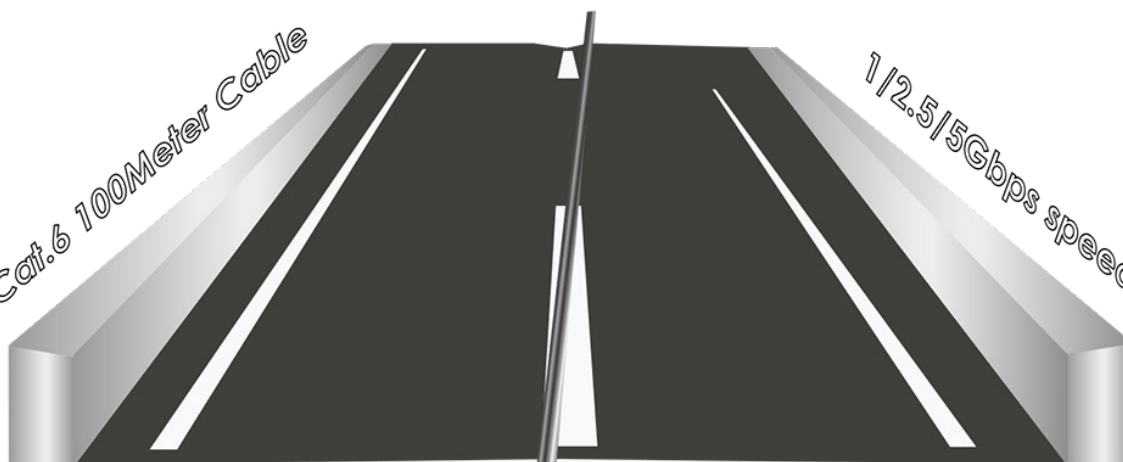
**POE**



11ax PoE Access Point

Cat.6 100Meter Cable

1/2.5/5Gbps speed



POWER + DATA OUT



FPOE-MG-60W

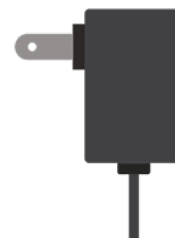


Power input interfaces :  
DC jack

UP TO 60WATT  
POE POWER



Power Source  
DC Adapter



50~57V 60Watt  
power adapter

DATA IN



### 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 802.3bt 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 802.3bt Type3 Class6 (60Watt) power level.
- Over Current Protection and Short-circuit Protection.
- Supports desktop, wall mounting installation and multiple units combination easy to use.

### Functionality

**FPOE-MG-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 802.3bt Type3 Class6 / 60Watt and Class5 / 45Watt PoE 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-MG-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

### POE 1/2.5/5Gbps Multi Gigabit Device



**Max. Forward 60Watt Power through the Splitter**

**up to 100Meter distance**

Device	Power	Distance
Multi Giga INDUSTRIAL PC	12V~24V DC Input	100Meters
Multi Giga WIFI ACCESS POINT	12V~24V 11ax DC Input	100Meters
Multi Giga Switch	12V~24V DC Input	100Meters

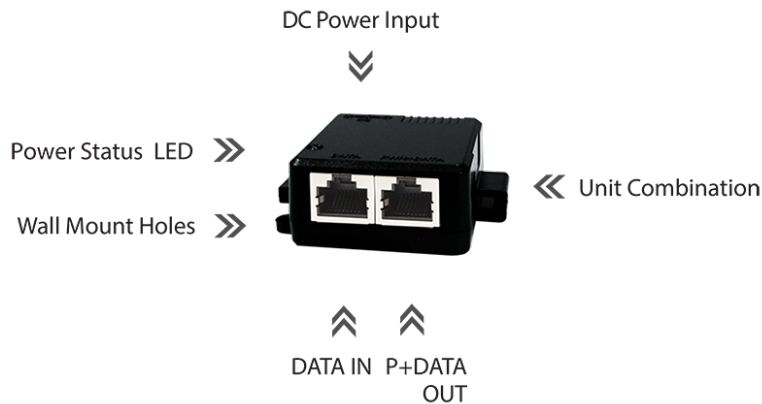
**POE Applications:**

- FPOE-MPD80:** Force High Power 1/2.5/5Gbps Multi Gigabit Splitter
- FPOE-MG-60W:** 60Watt 1/2.5/5Gbps Multi Gigabit Force High Power PoE Injector

**( The PoE Splitter is optional )**

\* 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	
<b>FPOE-MG</b> 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 )
64.8 x 51.7 x 24mm
Weight ( g )
38g
Form Factor
Desktop/Wall mounting / Units Combination
Case of material
ABS
Production Location
TW
Certifications
FCC ,CE, RoHs compatible