

IPOE-171-60W

Industrial Single-Port Multi-Gigabit 802.3bt PoE++ Injector (60 Watts, -40~75 degrees C, 48~56VDC)



Advanced Industrial Multi-Gigabit and 802.3bt PoE++ Network Solution PLANET IPOE-171-60W is a Single-Port, Industrial 802.3bt Power over Ethernet Injector with a maximum of up to 60 watts of power output over Ethernet cables. It is also equipped with two 100M/1G/2.5G/5GBASE-T RJ45 copper interfaces to

handle extremely large amounts of data transmission.



It is designed specifically to meet the demand for growing higher power required network equipment such as:

- Lighting
- All-in-one touch PC
- Remote digital signage display
- Other network devices that need higher power to work normally



Interface

- · 2 Multi-Gigabit RJ45 interfaces
 - 1-port Data + Power output
 - 1-port Data input
- 1 terminal block for master and slave power input. (Power Range: 48 ~ 56V DC redundant power)
- 1 PoE mode (standard/legacy and force) DIP switch

Power over Ethernet

- Complies with IEEE 802.3at/bt PoE end-span/mid-span PSE
- · Supports PoE power up to 60 watts for PoE port
- Auto-detection of PoE IEEE 802.3at/bt equipment and devices from being damaged by incorrect installation
- · Monitors the status of the total PoE usage in real time
- Remote power feeding up to 100m
- · Auto-detection of DC input voltage

Hardware

- · IP30 slim-type metal case
- LED indicators for Power LED , PoE-in-Use LED and PoE
 Usage LED

Industrial Case and Installation

- Solid wall mount or DIN-rail mount installation
- Supports 6KV DC Ethernet ESD protection
- -40 to 75 degrees C operating temperature



The IPOE-171-60W delivers the Ethernet digital data with DC power over the twisted-pair cables as a 60-watt Power over Ethernet Injector, and the connected ultra Power over Ethernet splitter, the IPOE-173S, will separate the digital data and the power into three optional outputs (12V/24V DC) with distance up to 100 meters.

60 watts of Power over 4-pair UTP

Instead of delivering power over 2-pair twisted UTP – be it end-span (Pins 1, 2, 3 and 6) or mid-span (Pins 4, 5, 7 and 8), the IPOE-171-60W provides the capability to source up to 60 watts of power by using all the four pairs of standard Cat. 5e/6 Ethernet cabling.



PoE Standard	IEEE 802.3af (802.3at Type 1)	IEEE 802.3at (802.3at Type 2)	IEEE 802.3bt (802.3bt Type 3)
Maximum Power delivered by PSE	15.4 watts	30 watts	60 watts
Power Available at PD	12.95 watts	25.5 watts	51 watts
Voltage Range	48V	50~57V	50~57V
Twisted-pair Used	2-pair		4-pair
Supported Modes	End-span or Mid-span		End-span + Mid-span
Supported Cabling	Cat. 3/5/5e/6/6A		Cat. 5e/6/6A

Intelligent LED Indicator for Power Input and Real-time PoE Usage

The IPOE-171-60W helps users to monitor the current status of power input and PoE power usage easily and efficiently via its advanced LED indication. "Power Input" allows user to know the status of power input. "PoE Power Usage" displayed on the panel of the IPOE-171-60W has three LED indicators of different power usages. Via the power usage LED, the IPOE-171-60W enables the administrator to monitor the status of the power usage of the connected PDs in real time.

Power Input and PoE Power Usage Display





High compatibility and Compact Size Design

It is easy to install the PoE injector by way of **Plug and Play** and comes with simple troubleshooting, making it easy for industrial users to own it. Besides, the IPOE-171-60W comes in compact housing, and provides two DC redundant power inputs, two power LEDs, fault LED and PoE-in-Use LED. Two RJ45 ports -- Ethernet port and Ethernet + DC port - are on the front panel.

Moreover, the IPOE-171-60W, when switched to the Legacy mode and Force mode, provides power to those PD devices which do not fully follow the IEEE 802.3at/bt standard. It is helpful to enhance the compatibility of IPOE-171-60W with other PDs.

Simply plug in the Ethernet cables and DC power wire, and the IPOE-171-60W is ready to provide high-speed network communication and the 802.3bt PoE injector functions simultaneously with no need of software configuration.



Quick and Easy Cabling Installation for PoE Network Deployment

Backward compatible with both 802.3af/at PoE standards, the IPOE-171-60W allows users to flexibly deploy standard and high powered devices to transfer data and power simultaneously through one Ethernet cable for up to 100 meters. The IPOE-171-60W frees the security IP camera and wireless AP deployment from restrictions of power outlet locations and the additional AC wiring. It thus reduces cables and eliminates the need for electrical outlets on the wall, ceiling or any unreachable place, and most of all, it reduces installation time.





Stable Operating Performance under Difficult Environments

Today, the PoE demand expands from commercial applications to many critical networks in the harsh environment. The IPOE-171 series will be one of the ideal solutions that provide a high level of immunity against electromagnetic interference and heavy electrical surges typical of environments found on plant floors or in curb-side traffic control cabinets. The IPOE-171 series can operate stably under temperature range from -40 to 75 degrees C which enables the users to conveniently apply the device in almost any location of the network. The IPOE-171 series is also equipped with a compact IP30 standard metal case that allows either DIN-rail or wall mounting for efficient use of cabinet space.



Applications

Installation of 802.3bt PoE Injector

Due to the backward capability of IEEE 802.3at PoE standard, the IPOE-171-60W can directly connect with any IEEE 802.3at end-nodes, such as PTZ (Pan, Tilt & Zoom) speed dome IP cameras, color touch-screen Voice over IP (VoIP) telephones, and multi-channel wireless LAN access points.





Installation of 802.3bt PoE Injector and Splitter

For a place which is hard to find the power inlet, the IPOE-171-60W and IPOE-173S operate as a pair to provide the easiest way to power your Ethernet devices which need high power input, such as PTZ network cameras, PTZ speed dome cameras, color touch-screen Voice over IP (VoIP) telephones, and multi-channel wireless LAN access points installed on the top of the building or used in enterprise office or home.



Extended Installation of IEEE 802.3bt Injector and PoE Network

Is 100-meter cable long enough for a wide range of IP surveillance deployments? The answer is certainly not. To achieve the benefits of IP surveillance and also the long-distance IP camera distribution, the IPOE-171-60W and PLANET PoE Extender, IPOE-E302, can be a quick and cost-effective option. In the simplest application, the PoE Extender enables a PoE IP camera to be installed up to 200 meters away from the IPOE-171-60W. The IPOE-171-60W delivers PoE power over the first 100 meters to the PoE Extender over UTP cables, and then the PoE Extender forwards the Ethernet data and remaining PoE power to the remote PoE IP cameras.





Specifications

Product Frantiand Egenération Interfine Interfine Interfin		liteationic		
Interface Ix RL46 STP Oulgul Port 1x RL45 STP Duck port 1x RL45 STP Input Power Terminal Block 1 Network Cable Towated-pair cable up to 100 meters (s28th) Network Cable Towated-pair cable up to 100 meters (s28th) 102 SGC - dpair UTP Cat. 3, 4, 5, 56, 6, 6A 102 SGC - dpair UTP Cat. 3, 4, 5, 56, 6A 102 SGC - dpair UTP Cat. 5, 6A SGC - dpair Cat. 5, 6A SGC - dpair Cat. 5, 6A SGC - dpair SGC - dpair UTP Cat. 5, 5A SGC			IPOE-1/1-60W	
Instruction Instruction Instruction Instruction 1 × R.J45 STP Poc (Data + Power) Out Poc (Data + Power) Out Poc (Data + Power) Out Poc (Data + Power) Out 108ASE-7.4 pair UTP Cat. 50, 6, 6A Network Law 108ASE-7.4 pair UTP Cat. 50, 6, 6A 108ASE-7.4 spir UTP Cat. 50, 6, 6A 102.50: 4-pair UTP Cat. 50, 6, 6A 104.50: 4-pair UTP Cat. 50, 70 104.50: 4-pair UTP Cat. 50, 70 104.50: 4-pair Catopeoverol 104.50: 4-pair Catopeoverol 104.50: 4-pair Melog caton feogo unof doc 104.50: 4	Hardware S	Specifications		
Output Point PoE (Calla + Power) Out Imput Power Terminal Block 1 Twisted-pair cable up to 100 molers (3281) 108ASE: T.4.apair UTP Cat. 5, e, 6, 6, 6A 162.56.4.pair UTP Cat. 5, e, 6, 6A 162.56.4.pair UTP Cat. 5, e, 6, 6A 162.56.4.pair UTP Cat. 5, e, 6, 6A LED Indication System: Power 10 (Green), Power 20 (Green), Fault (Red) Poet Usage: Poet Usage x 3 (Ambor) Poet Data Rate Data Rate System: Power 10 (Green), Power 20 (Green), Fault Red) Poet Usage: X 0 C 0 Data Rate TotAMobi Y 0 C Book Power Requirements Co.49-56V X 0 R Domonions (W x D X h) Mstal case Domonions (W x D X h) DotAs 50 X 20 X m X: DotAs 50 X 20 X		Input Port		
Input Power Terminal Block 1 Network Cable Twisted-pair cable up to 100 motors (32810) (100ASE-TX - Apair UTP Cat. 5, 6, 6, 6, 6) (100ASE-TX - Apair UTP Cat. 5, 6, 6, 6) (100ASE-TX - Apair UTP Cat. 5, 6, 6, 6) (100ASE-TX - Apair UTP Cat. 5, 6, 6, 6) (100ASE-TX - Apair UTP Cat. 5, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,	Interface	Output Port		
Network Cable Twisted-pair cable up to 100 meters (3281) 10BASE-T: 4-pair UTP Cat. 5, 6, 5, 6, 6A 1052.5G: 4-pair UTP Cat. 5, 6, 6, 6A 5G: 4-pair UTP Cat. 5, 6, 6, 6A LED Indicators System: Power 1 (Green), Power 2 (Green), Fault (Red) PoE Poar: PoE-in-Libe x 1 (Amber) PoE Libage: PoE Libage x 2 (Amber) PoE Libage: PoE Libage x 3 (Amber) PoE Power Output Budget Di N-rail kit or wall-mount ear PoE Power Output Budget Di N-rail kit or wall-mount ear PoE Power Output Budget Di N-rail kit or wall-mount ear PoE Power Output Budget Di So -533 / 06-watt PoE via 4-pair PoE Power Output Budget Di So -533 / 06-watt PoE via 4-pair PoE Power Output Budget Di So -533 / 06-watt PoE via 4-pair PoE Power Output Budget Di So -533 / 06-watt PoE via 4-pair PoE Power Output PoE Power Suppity Type End-span - Mid-span PoE Power Suppity Type End-span - Mid-span PoE Power Output Budget Poir So -533 / 06-watt PoE via 4-pair PoE Power Suppity Type End-span - Mid-span PoE Power Output Budget Poir So -533 / 06-Watt PoE via 4-p		Input Power Terminal Block		
Network Cable 1008ASE-TX - apair UTP Cat. 3, 4, 5, 5e, 6, 6A 1002ASE-TX - apair UTP Cat. 5e, 6, 6A 3C3 - 4-pair UTP Cat. 5e, 76 3C3 - 58 - 76 3C3 - 75 - 75 - 75 - 75 3C3 - 7		input i onor forminal blook	-	
LED Indicators PoE Pot: PoE-in-Lisa x1 (Amber) PoE Jage: PoE Usage: PoE Usage: X3 (Amber) Data Rate 10M/100M/162/Scl/Schps ESD Protection 6KV DC ESD Protection 6KV DC Dimensions (W x D x H) 135 x 87.8 x 32 mm Weight 430g Power Requirements DC 48-560/ XA max. Unit Output Votage DC 48-560/ XA max. Vota Consumption 75 watts max. No. of divices tat can be powered 1 Installation DIN-raik kit or wall-mount ear Alarm Provides one relay output for power failure Alarm Alarm Relay current carry ability: 1A @ DC 24V Power Output Budget DC 50-53V/ 60-watt PoE via 4-pair Power Output Budget DC 50-53V/ 60-watt PoE via 4-pair Power Output Budget DC 46-53V/ 30-watt PoE via 4-pair Power Output Budget DC 46-53V/ 30-watt PoE via 4-pair Power Output Budget Max 60Wg Im cable Power Power Output Budget Standard mode Legacy and Force mode Standard mode Lege 802.30 100BASE-T Gigabit Ethernet IEEE 802.30 100BASE-T Gigabit Ethernet IEEE 802.30 100BAS	Network Cable		10BASE-T: 4-pair UTP Cat. 3, 4, 5, 5e, 6, 6A 100BASE-TX: 4-pair UTP Cat. 5, 5e, 6, 6A 1G/2.5G: 4-pair UTP Cat. 5e, 6, 6A	
ESD Protection 6KY DC Enclosure Metal case Dimensions (W X D X H) 135 x 87.8 x 2 mm Weight 430g Power Requirements 0C 48-56W 2 A max. Unit Output Voltage DC 45-53W Power Consumption 75 wats max. No. of devices that can be powered 1 Installation DIN-rail kit or wall-mount ear Alarm Provides one relay output for power failure Alarm Relay current carry ability: 1A @ DC 24V Enclosure IP30 slim type metal case Power Output Budget DC 50-53V / 60-watt PoE Via 4-pair Post Standard IEEE 802.34/b PSE Post Power Output Budget DC 50-53V / 60-watt PoE Via 4-pair Post Power Output Budget DC 50-53V / 60-watt PoE Via 4-pair Post Power Output Budget DC 50-53V / 60-watt PoE Via 4-pair Power Power Supply Type End-span + Mid-span Power Power Supply Type End-span + Mid-span Power Pin Assignment Standard mode Legacy and Force mode Standard mode Legacy and Force mode Standard mode Legacy and Force mode IEEE 802.31 UDBASE-T K Fast Ethernet IEEE 802.31 UDBASE-T Gigabit Ethernet IEEE 802.31 UDBASE-T Gigabit Ethernet IEEE 802.31 UDBASE-T Gigabit Ethernet I	LED Indicators		PoE Port: PoE-in-Use x 1 (Amber)	
ESD Protection 6KY DC Enclosure Metal case Dimensions (W X D X H) 135 x 87.8 x 2 mm Weight 430g Power Requirements 0C 48-56W 2 A max. Unit Output Voltage DC 45-53W Power Consumption 75 wats max. No. of devices that can be powered 1 Installation DIN-rail kit or wall-mount ear Alarm Provides one relay output for power failure Alarm Relay current carry ability: 1A @ DC 24V Enclosure IP30 slim type metal case Power Output Budget DC 50-53V / 60-watt PoE Via 4-pair Post Standard IEEE 802.34/b PSE Post Power Output Budget DC 50-53V / 60-watt PoE Via 4-pair Post Power Output Budget DC 50-53V / 60-watt PoE Via 4-pair Post Power Output Budget DC 50-53V / 60-watt PoE Via 4-pair Power Power Supply Type End-span + Mid-span Power Power Supply Type End-span + Mid-span Power Pin Assignment Standard mode Legacy and Force mode Standard mode Legacy and Force mode Standard mode Legacy and Force mode IEEE 802.31 UDBASE-T K Fast Ethernet IEEE 802.31 UDBASE-T Gigabit Ethernet IEEE 802.31 UDBASE-T Gigabit Ethernet IEEE 802.31 UDBASE-T Gigabit Ethernet I	Data Rate			
Enclosure Metal case Dimensions (W x D x H) 135 x 87 x 32 xm Weight 430g Power Requirements DC 48-56V, 2A max. Unit Output Voltage DC 48-56V, 2A max. Power Requirements DC 48-56V, 2A max. Unit Output Voltage DC 48-56V, 2A max. Power Consumption 75 watts max. No. of devices that can be powered 1 Installation DIN-rail kit or wall-mount ear Alarm Provides one relay output for power failure Alarm Alarm Relay current carry ability: 1A @ DC 24V Power over Ethernet Provides one relay output for power failure Power over Ethernet Pox 600-say (F00-watt PDE via 4-pair DC 60-53V (F00-watt PDE via 2-pair DC 45-53V (30-watt PDE via 2-pair PoE Power Output Max. 50W@01m cable Poer Power Supply Type End-span : 112 (-) 30 (+) Pair 1 End-span : 112 (-) 30 (+) Pair 2 Mid-span: 415 (-) 78 (-) Power Pin Assignment Pair 1 End-span : 112 (-) 30 (+) Pair 2 Mid-span: 415 (-) 78 (-) Pair 2 Mid-span: 415 (-) 78 (-) Standard Conformance EEE 802.3 100BASE-T Fitr		ction		
Dimensions (W x D x H) 135 x 87.8 x 32 mm Weight 430g Power Requirements DC 48-56V, 2A max. Unit Output Voitage DC 45-53V Power Consumption 75 watts max. No. of devices that can be powered 1 Installation DIN-rail kit or wall-mount ear Alarm Provides one relay output for power failure Alarm Relay current carry sality: 1A @ DC 24V Enclosure IP30 slim type metal case Power Output Budget DC 553V / 60-watt PDE via 4-pair DC 645-53V / 30-watt PDE via 4-pair DC 645-53V / 30-watt PDE via 4-pair De Fower Output Max. 60W@1 m cable PoE Power Output Max. 60W@1 m cable PoE Power Output Max. 60W@1 m cable PoE Power Pin Assignment Pair 1 End-span: 1/2 (-), 3/6 (+) Poir 1 End-span: 1/2 (-), 3/6 (+) Pair 2 End-span: 4/6 (+), 7/8 (-) PoE Mode EEE 802.3 10BASE-T Ethernet IEEE 802.3 10BASE-T Vast Ethernet IEEE 802.3 10BASE-T Vast Ethernet IEEE 802.3 10BASE-T Gigabit Ethernet IEEE 802.3 10BASE-T Vast Ethernet IEEE 802.3 10BASE-T Vast Ethernet IEEE 802.3 10BASE-T Vast Et				
Weight 430g Power Requirements DC 49-56V, 2A max. Unit Output Voltage DC 49-56V, 3V Power Consumption 75 watts max. No. of devices that can be powered 1 Installation DIN-rail kin or wall-mount ear Alarm Provides one relay output for power failure Alarm Provides one relay output for power failure Alarm Power over Ethernet Power over Ethernet Post Standard PoE Power Output Budget DC 50-53V / 500-watt PoE via 4-pair DC 50-53V / 500-watt PoE via 2-pair PoE Power Output Max. 60W@it m cable Max. 51W@it 00m cable DC 49-53V / 30-watt PoE via 2-pair PoE Power Output Max. 60W@it m cable Poer Power Suppit Type End-span : 1/2 (-), 3/6 (+) Pair 1 End-span: 1/2 (-), 3/6 (+) Pair 2 Mid-span : 4/5 (-), 7/8 (-) Power Pin Assignment Pair 2 Mid-span : 4/5 (-), 7/8 (-) Poer Ende Egacy and Force mode Standard S Compliance IEEE 802.31 IOBASE-T X Fast Ethernet IEEE 802.30 LA-pair Power over Deternet IEEE 8		s (W x D x H)		
Power Requirements DC 48-58V, 2A max. Unit Output Voitage DC 48-53V Power Consumption 75 watts max. No. of devices that can be powered 1 Installation DIN-rall kit or wall-mount ear Alarm Provides one relay output for power failure Alarm Provides one relay output for power failure Power over Ethernet Provides one relay output for power failure Power over Ethernet Power over Ethernet PoE Power Output Budget DC 50-53V / 60-watt PoE via 4-pair PoE Fower Output Max. 60W(@1 m cable Max. 50W @100m cable Max. 50W @100m cable PoE Power Supply Type End-span + Mid-span Poe E Mode Standard mode Legacy and Force mode Legacy and Force mode Standards Conformance EEE 802.3 10BASE-T Ethernet IEEE 802.3 10BASE-T Stase Ethernet IEEE 802.3 10BASE-T Stase Ethernet IEEE 802.3 at Power over Ethernet IEEE 802.3 at Power over Ethernet IEEE 802.3 at Power over Ethernet IEEE 802.3 at Power over Ethernet IEEE 802.3 at Power over Ethernet IEEE 802.3 at Power over Ethernet IEEE		·····		
Unit Output Voltage DC 45-53V Power Consumption 75 watts max. No. of devices that can be powered 1 Installation DIN-rail kit or wall-mount ear Alarm Provides one relay output for power failure Alarm Alarm Relay current carry ability: 1A @ DC 24V Enclosure IP30 slim type metal case Power over Ethernet IEEE 802.3a/bt PSE Pos E Power Output Budget DC 50-53V / 60-watt POE via 4-pair DC 45-53V / 30-watt POE via 2-pair DC 45-53V / 30-watt POE via 2-pair PoE Power Output Max. 60W@1 m cable Max. 51W@100m cable Max. 51W@100m cable Poer Power Supply Type End-span: 4/5 (+), 7/8 (-) Poir E Mode Eagery and Force mode Standards Conformance IEEE 802.3 10BASE-T Ethernet IEEE 802.3 10BASE-T Streat Ethernet IEEE 802.3 10BASE-T Fast Ethernet IEEE 802.3 10BASE-T Streat Ethernet IEEE 802.3 10BASE-T Streat Ethernet IEEE 802.3 10BASE-T Streat Ethernet IEEE 802.3 10BASE-T Streat Ethernet IEEE 802.3 10 Hower over Ethernet Plus IEEE 802.3 10BASE-T Streat Ethernet IEEE 802.3 10 Hower over Ethernet Plus IEEE 802	-	uirements		
Power Consumption 75 watts max. No. of devices that can be powered 1 Installation DIN-rail kit or wall-mount ear Installation DIN-rail kit or wall-mount ear Alarm Provides one relay output for power failure Alarm Alarm Relay current carry ability: 1A @ DC 24V Enclosure Pool 30 sim type metal case Power over Ethernet DC 50-53V / 60-watt PoE via 4-pair PoE Power Output Budget DC 50-53V / 60-watt PoE via 4-pair PoE Power Output Max. 60W@1 m cable Max. 50W@100m cable Max. 50W@100m cable PoE Power Supply Type End-span: 1/2 (), 3/6 (+) Poir E Andard mode Lagacy and Force mode Standards Conformance IEEE 802.3 10BASE-T Ethernet Standards Conformance IEEE 802.3 10BASE-T Fast Ethernet IEEE 802.3 ab 100BASE-T Fast Ethernet IEEE 802.3 ab 100BASE-T Fast Ethernet IEEE 802.3 ab 100BASE-T Fast Ethernet IEEE 802.3 ab 100BASE-T Fast Ethernet IEEE 802.3 ab 100BASE-T Fast Ethernet IEEE 802.3 ab 100BASE-T Fast Ethernet IEEE 802.3 ab 100BASE-T Fast Ethernet IEEE 802.3 ab 2.5 G/GGBASE-T IEEE 802.3 ab 1.7 Sast Power over Ethernet Hiet 800.3 ub 4-pair Power over Ethernet Hiet 800.3 ub 4-pair		•		
No. of devices that can be powered 1 Installation DIN-rail kit or wall-mont ear Alarm Provides one relay output for power failure Alarm Alarm Relay current carry ability: 1A @ DC 24V Enclosure IEEE 802.3at/bt PSE Poer over Ethernet IEEE 802.3at/bt PSE PoE Standard IEEE 802.3at/bt PSE PoE Power Output Budget DC 50-53V / 60-watt PoE via 4-pair DC 45-53V / 30-watt PoE via 2-pair PoE Power Output Budget DC 45-53V / 30-watt PoE via 2-pair PoE Power Output Max. 60W@1 m cable Max. 60W@1 m cable Max. 60W@1 m cable PoE Power Supply Type End-span + Mid-span: 412 (-), 36 (+) PoE Mode Standard mode Legacy and Force mode Standard mode Legacy and Force mode Standard S Conformance Standards Compliance FCC Part 15 Class A, CE Standards Compliance FCC Part 15 Class A, CE Envionment -40 - 75 degrees C Storage Temperature -40 - 75 degrees C Operating Temperature -40 - 85 degrees C Operating Humidity 5 - 90%, relative humidity, non-condensing Storader Humidity 5 - 90%, relativ		•		
Installation DIN-rail kit or wall-mount ear Alarm Provides one relay output for power failure Alarm Relay current carry ability: 1A @ DC 24V Enclosure IP30 sim type metal case Power over Ethernet EEE 802.3at/bt PSE PoE Power Output Budget DC 50~53V / 60-watt POE via 4-pair DC 45~53V / 30-watt POE via 4-pair DC 45~53V / 30-watt POE via 4-pair DC 45~53V / 30-watt POE via 2-pair PoE Power Output Max. 60W@1 m cable Max. 60W@1 m cable Max. 51W@100m cable PoE Power Supply Type End-span + Mid-span Power Pin Assignment Pair 1 End-span: 1/2 (-), 3/6 (+) Pair 2 Mid-span: 4/5 (+), 7/8 (-) PoE Mode Standard mode Legacy and Force mode Standard Sconformance EEE 802.3 t0DBASE-T Ethernet IEEE 802.3 u10DBASE-T Set Ethernet IEEE 802.3 ab 100DBASE-T Set Ethernet IEEE 802.3 ab 100DBASE-T Set Ethernet IEEE 802.3 ab 2.5G/SGBASE-T IEEE 802.3 ab 2.5G/SGBASE-T Regulatory Compliance FCC Part 15 Class A, CE Enviroment 40 ~ 75 degrees C Storage Temperature 40 ~ 75 degrees C Operating Temperature 40 ~ 75 degrees C Operating Temperature 40 ~ 85 degrees C Operating Te		•		
Alarm Provides one relay output for power failure Alarm Relay current carry ability: 1A @ DC 24V Enclosure IP30 slim type metal case Power over Ethernet PoE Standard IEEE 802.3at/bt PSE PoE Power Output Budget DC 50~53V / 60-watt PoE via 4-pair DC 45~53V / 30-watt PoE via 4-pair DC 45~53V / 30-watt PoE via 2-pair PoE Power Output Max. 60W@1 n cable Max. 50W@1 no cable Max. 50W@1 no cable Mover Pin Assignment Pair 1 End-span + Mid-span PoE Mode Standard mode Legacy and Force mode Legacy and Force mode Standards Conformance IEEE 802.3 t 10BASE-T Ethernet IEEE 802.3 t 10BASE-T Stast Ethernet IEEE 802.3 t 10BASE-T Stast Ethernet IEEE 802.3 t 02ASE-T Stast Ethernet IEEE 802.3 t 10BASE-T Stast Ethernet IEEE 802.3 t 10BASE-T Stast Ethernet IEEE 802.3 t 10BASE-T Stast Ethernet IEEE 802.3 th 4-pair Power over Ethernet IEEE 802.3 th 4-pair Power over Ethernet IEEE 802.3 th 4-pair Power over Ethernet IEEE 802.3 th 4-pair Power over Ethernet IEEE 802.3 th 4-pair Power over Ethernet IEEE 802.3 th 4-pair Power over Ethernet IEEE 802.3 th 4-pair Power over Ethernet				
Enclosure IP30 slim type metal case Power over Ethernet PoE Standard IEEE 802.3at/bt PSE PoE Power Output Budget DC 50-537/ 60-watt PoE via 4-pair DC 45-537/ 30-watt PoE via 2-pair PoE Power Output Max. 60W@1 m cable Max. 50W@100 cable PoE Power Supply Type End-span 120 (0, 36 (+) Pair 2 Mid-span Power Pin Assignment Pair 1 End-span 120 (0, 36 (+) Pair 2 Mid-span PoE Mode Standard mode Legacy and Force mode Standards Conformance EEE 802.30 10BASE-T Ethernet IEEE 802.30 10BASE-T Ethernet IEEE 802.30 100BASE-T Fast Ethernet IEEE 802.30 100BASE-T Cigabit Ethernet IEEE 802.30 A Power over Ethernet Plus Regulatory Compliance FC Part 15 Class A, CE Environment -40 ~ 75 degrees C Operating Temperature -40 ~ 75 degrees C Operating Temperature -40 ~ 75 degrees C Operating Temperature -90%, relative humidity, non-condensing Storage Temper			Provides one relay output for power failure	
Power over Ethernet PoE Standard IEEE 802.3at/bt PSE PoE Power Output Budget DC 50-53V / 60-watt PoE via 4-pair DC 45-53V / 30-watt PoE via 2-pair PoE Power Output Max. 60W@1 m cable Max. 51W@100m cable PoE Power Supply Type End-span + Mid-span Power Pin Assignment Pair 1 End-span: 1/2 (-), 3/6 (+) Pair 2 Mid-span: 4/5 (+), 7/8 (-) PoE Mode Standard mode Legacy and Force mode Standard S Conformance IEEE 802.3 10BASE-T Ethernet IEEE 802.3at J00BASE-TX Fast Ethernet IEEE 802.3at 4-pair Power over Ethernet IEEE 802.3at 4-pair Power over Ethernet IEEE 802.3at Power over Ethernet IEEE 802.3at Power over Ethernet IEEE 802.3at Power over Ethernet IEEE 802.3at Power over Ethernet Plus Regulatory Compliance -40 ~ 75 degrees C Storage Temperature -40 ~ 85 degrees C Operating Hemidity 5 - 90%, relative humidity, non-condensing Storage Humidity 5 - 90%, relative humidity, non-condensing Storage Humidity 5 - 90%, relative humidity, non-condensing Storage Humidity 5 - 90%, relative humidity, non-condensing				
PoE Standard IEEE 802.3at/bt PSE PoE Power Output Budget DC 50-53V / 60-watt PoE via 4-pair DC 45-53V / 30-watt PoE via 2-pair PoE Power Output Max. 60W@1 m cable Max. 50W@10m cable PoE Power Supply Type End-span + Mid-span Power Pin Assignment Pair 1 End-span : 1/2 (-), 3/6 (+) Pair 2 Mid-span: 4/5 (+), 7/8 (-) PoE Mode Standard mode Legacy and Force mode Standards Conformance EEE 802.3 10BASE-T Ethernet IEEE 802.3 10BASE-T Ethernet IEEE 802.3 10BASE-T Gigabit Ethernet IEEE 802.3 10BASE-T Stanternet IEEE			IP30 slim type metal case	
PoE Power Output Budget DC 50~53V / 60-watt PoE via 4-pair DC 45~53V / 30-watt PoE via 2-pair PoE Power Output Max. 60W@1 m cable Max. 51W@100m cable PoE Power Supply Type End-span + Mid-span Power Pin Assignment Pair 1 End-span: 1/2 (-), 3/6 (+) Pair 2 Mid-span: 1/2 (-), 3/6 (+) Pair 2 Mid-span: 4/5 (+), 7/8 (-) PoE Mode Standard mode Legacy and Force mode Standards Conformance IEEE 802.3 10BASE-T Ethernet IEEE 802.3 100BASE-TX Fast Ethernet IEEE 802.3 100BASE-TX Fast Ethernet IEEE 802.3 bu 2.5C/SGBASE-T IEEE 802.3 bu 2.5C/SGBAS				
Poic Power Output Budget DC 45~53V / 30-watt PoE via 2-pair PoE Power Output Max. 60W@1 m cable Max. 51W@100m cable PoE Power Supply Type End-span + Mid-span Power Pin Assignment Pair 1 End-span: 1/2 (-), 3/6 (+) Pair 2 Mid-span: 4/5 (+), 7/8 (-) PoE Mode Standard mode Legacy and Force mode Standards Conformance IEEE 802.3 10BASE-T Ethernet IEEE 802.3 u0BASE-TX Fast Ethernet IEEE 802.3 u0BASE-TX Fast Ethernet IEEE 802.3 bu 2.5G/5GBASE-T IEEE 802.3 b	PoE Stand	ard		
PoE Power Output Max. 51W@100m cable PoE Power Supply Type End-span + Mid-span Power Pin Assignment Pair 1 End-span: 1/2 (-), 3/6 (+) Pair 2 Mid-span: 4/5 (+), 7/8 (-) PoE Mode Standard mode Leggy and Force mode Standards Conformance IEEE 802.3 10BASE-T Ethernet IEEE 802.3 10BASE-T Ethernet IEEE 802.3 u 100BASE-TX Fast Ethernet IEEE 802.3 u 100BASE-TX Fast Ethernet IEEE 802.3 bu 100BASE-TX Fast Ethernet IEEE 802.3 bu 100BASE-TX Fast Ethernet IEEE 802.3 bu 100BASE-T Gigabit Ethernet IEEE	PoE Power Output Budget			
Power Pin Assignment Pair 1 End-span: 1/2 (-), 3/6 (+) Pair 2 Mid-span: 4/5 (+), 7/8 (-) PoE Mode Standard mode Legacy and Force mode Standards Conformance Standards Conformance IEEE 802.3 10BASE-T Ethernet IEEE 802.3 u 100BASE-T Gigabit Ethernet IEEE 802.3 u 100BASE-T Gigabit Ethernet IEEE 802.3 bt 4-pair Power over Ethernet IEEE 802.3 bt 4-pair Power over Ethernet IEEE 802.3 abt 4-pair Sc Operating Temperature <t< td=""><td colspan="2">PoE Power Output</td><td></td></t<>	PoE Power Output			
Power Pin Assignment Pair 2 Mid-span: 4/5 (+), 7/8 (-) PoE Mode Standard mode Legacy and Force mode Standards Conformance IEEE 802.3 10BASE-T Ethernet IEEE 802.3 u 100BASE-TX Fast Ethernet IEEE 802.3 u 100BASE-T Gigabit Ethernet IEEE 802.3 ab 1000BASE-T Gigabit Et	PoE Powe	r Supply Type	End-span + Mid-span	
PoE Mode Standard mode Legacy and Force mode Standards Conformance IEEE 802.3 toBASE-T Ethernet IEEE 802.3 u 100BASE-T X Fast Ethernet IEEE 802.3 u 100BASE-T Gigabit Ethernet IEEE 802.3 u 100BASE-T Gigabit Ethernet IEEE 802.3 bt 100BASE-T Gigabit Ethernet IEEE 802.3 bt 2.5G/5GBASE-T IEEE 802.3 bt 4-pair Power over Ethernet IEEE 802.3 bt 4-pair Power over Ethernet Regulatory Compliance FCC Part 15 Class A, CE Environment -40 ~ 75 degrees C Operating Temperature -40 ~ 85 degrees C Operating Humidity 5 ~ 90%, relative humidity, non-condensing Storage Humidity 5 ~ 90%, relative humidity, non-condensing Storage	Power Pin	Assignment		
Standards Conformance IEEE 802.3 10BASE-T Ethernet IEEE 802.3 u 100BASE-T X Fast Ethernet IEEE 802.3 u 100BASE-T X Fast Ethernet IEEE 802.3 ab 1000BASE-T Gigabit Ethernet IEEE 802.3 ab 1000BASE-T Gigabit Ethernet IEEE 802.3 ab 1000BASE-T Gigabit Ethernet IEEE 802.3 ab 2.5G/5GBASE-T IEEE 802.3 bt 4-pair Power over Ethernet IEEE 802.3 at Power over Ethernet IEEE 802.3 at Power over Ethernet Plus Ethernet Environment FCC Part 15 Class A, CE Operating Temperature -40 ~ 75 degrees C Storage Temperature -40 ~ 85 degrees C Operating Humidity 5 ~ 90%, relative humidity, non-condensing Storage Humidity 5 ~ 90%, relative humidity, non-condensing Storage Humidity 5 ~ 90%, relative humidity, non-condensing Standard Accessories IPOE-171-60W	PoE Mode		Standard mode	
Standards ComplianceIEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3bz 2.5G/5GBASE-T IEEE 802.3bt 4-pair Power over Ethernet Plus IEEE 802.3at Power over Ethernet PlusRegulatory ComplianceFC Part 15 Class A, CEEnvironment-40 ~ 75 degrees COperating Temperature-40 ~ 85 degrees COperating Humidity5 ~ 90%, relative humidity, non-condensingStorage Humidity5 ~ 90%, relative humidity, non-condensingStandard Accessories-1POE-171-60W	Standards	Conformance		
Regulatory Compliance FCC Part 15 Class A, CE Environment -40 ~ 75 degrees C Operating Temperature -40 ~ 85 degrees C Storage Temperature 5 ~ 90%, relative humidity, non-condensing Storage Humidity 5 ~ 90%, relative humidity, non-condensing Storage Humidity 6 ~ 90%, relative humidity, non-condensing Image: Storage Humidity 6 ~ 90%, relative humidity, non-condensing			IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3bz 2.5G/5GBASE-T IEEE 802.3bt 4-pair Power over Ethernet	
Operating Temperature -40 ~ 75 degrees C Storage Temperature -40 ~ 85 degrees C Operating Humidity 5 ~ 90%, relative humidity, non-condensing Storage Humidity 5 ~ 90%, relative humidity, non-condensing Standard Accessories IPOE-171-60W	Regulatory	Compliance		
Storage Temperature -40 ~ 85 degrees C Operating Humidity 5 ~ 90%, relative humidity, non-condensing Storage Humidity 5 ~ 90%, relative humidity, non-condensing Standard Accessories = IPOE-171-60W	Environme	nt		
Operating Humidity 5 ~ 90%, relative humidity, non-condensing Storage Humidity 5 ~ 90%, relative humidity, non-condensing Standard Accessories IPOE-171-60W 	Operating	Temperature	-40 ~ 75 degrees C	
Storage Humidity 5 ~ 90%, relative humidity, non-condensing Standard Accessories • IPOE-171-60W	Storage Te			
Standard Accessories IPOE-171-60W			5 ~ 90%, relative humidity, non-condensing	
■ IPOE-171-60W	Storage Humidity		5 ~ 90%, relative humidity, non-condensing	
	Standard A	ccessories		
Package Contents User's manual Wall-mount kit Dust cap	Package Contents		■ User's manual ■ Wall-mount kit	



Ordering Information

IPOE-171-60W

Industrial Single-Port Multi-Gigabit 802.3bt PoE++ Injector (60 Watts, -40~75 degrees C, 48~56VDC)

Related Products

POE-171A-60	Single-Port Multi-Gigabit 802.3bt PoE++ Injector (60 Watts)
POE-171A-95	Single-Port Multi-Gigabit 802.3bt PoE++ Injector (95 Watts)
IPOE-171-95W	Industrial Single-Port Multi-Gigabit 802.3bt PoE++ Injector (95 Watts, -40~75 degrees C, 12~48V DC)
IPOE-162	Industrial IEEE 802.3at Gigabit High Power over Ethernet Injector (Mid-span)
IPOE-171S	Industrial Single-Port 10/100/1000Mbps Ultra PoE Splitter
IPOE-173S	Industrial Single-Port 10/100/1000Mbps 802.3bt PoE++ Splitter
IPOE-E174	1-Port Ultra PoE to 4-Port 802.3af/at Gigabit PoE Extender
ICA-E6265	2 Mega-pixel IR PoE Plus Speed Dome IP Camera with Extended Support

PLANET Technology Corporation

 11F., No.96, Minquan Rd., Xindian Dist., New Taipei City 231,

 Taiwan (R.O.C.)

 Tel: 886-2-2219-9518

 Fax: 886-2-2219-9528

 Email: sales@planet.com.tw

 www.planet.com.tw



PLANET reserves the right to change specifications without prior notice. All brand names and trademarks are property of their respective owners. Copyright © 2020 PLANET Technology Corp. All rights reserved.