

IEEE 802.3af Power Over Ethernet Injector



For the cost saving and power management purpose, PLANET releases a new 10/100/1000Mbps Power over Ethernet Injector POE-152.

The POE-152 is an IEEE 802.3af Power over Ethernet Injector which provides DC 48V over Ethernet cables. The POE-152 IEEE 802.3af Power over Ethernet Injector inserts DC Voltage into Cat.5 cable, allowing the cable between the Injector (POE-152) and Splitter (POE-152S-5V/12V) to transfer data and power simultaneously. The maximum distance between the Injector (POE-152) and Splitter (POE-152S-5V/12V) is 100 meters. With POE-152 being installed, it combines the Ethernet digital data with power over the twisted pair cables as an IEEE 802.3af Power over Ethernet Injector. And the IEEE 802.3af Power over Ethernet splitter shall separate the digital data and the power into two outputs.

Unlike existing Power over Ethernet Injector, the POE-152 also provides 1000Mbps Gigabit Ethernet connection ability, except the 10/100Mbps Fast Ethernet connection ability.

With IEEE 802.3af 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. Besides, to connect through POE-152 and POE-152S-5V/12V, you could also have benefits which includes cost saving, easy for networking planning and higher reliability. Upon any IEEE 802.3af devices installed, the POE-152 or together with POE-152S-5V/12V can make the connection while migrating or splitting the power and the Ethernet digital packets, such as connecting the POE-152 to an IEEE 802.3af complied devices, AP or IP phone.

KEY FEATURE

- Complies with IEEE 802.3af Power over Ethernet, IEEE 802.3 / 802.3u / 802.3ab 10/100/1000Base-T
- Provides DC 48V power over RJ-45 Ethernet cable to device with Ethernet port
- LED indicators power input indication
- Distance up to 100 meters
- Auto-detect of POE IEEE 802.3af equipment and devices from being damaged by incorrect installation
- Works with EIA568, category 5, 5e or 6 ,2/4-pair cables for 10Base-T or 100Base-TX and 1000Base-T
- EMI standards complies with FCC, CE class B

SPECIFICATION

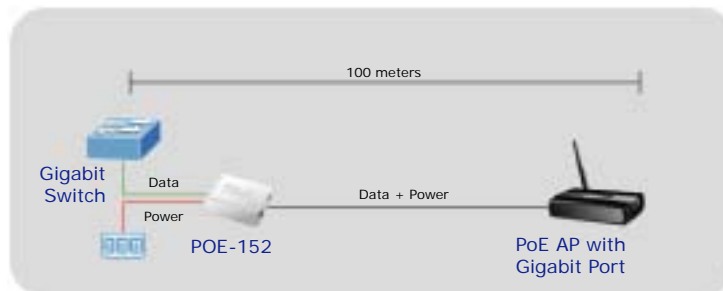
Product **IEEE 802.3af Power Over Ethernet Injector**

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|---------------------------------|---|
| Model | POE-152 |
| Ethernet Connector | 2 x RJ-45 (1 for data + DC out, 1 for Data in) |
| Ethernet Data Rate | 10/100/1000Mbps (vary on Ethernet device attached) |
| Input voltage | DC 48V, 0.4A |
| Number of Device can be Powered | 1 |
| Ethernet Cable | TIA/EIA-568, Category 5/5e/6 cable |
| LED Indicator | 1 x power, 1 x POE ready / in-use |
| Operating Environment | 0~50 Degree C, 5%~90%RH |
| Storage Environment | -20~70 Degree C, 5%~90%RH |
| Dimension (W x D x H) | 73 x 55 x 24 mm |
| Weight | 50g |
| Emission | FCC Class B, CE mark |
| Standard Compliance | IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3af Power over Ethernet |

APPLICATIONS

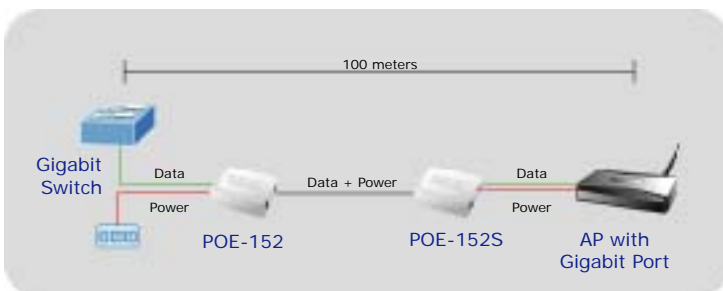
Connect to IEEE 802.3af devices:

Due to the capability of IEEE 802.3af standard, the POE-152 can directly connect with any IEEE 802.3af end-nodes like wireless access point, IP phones and Internet camera which supports IEEE 802.3af In-line Power over Ethernet port.



The IEEE 802.3af Injector and Splitter installation:

For a place which is hard to find the power inlet, POE-152 and POE-152S-5V/12V, as a pair, should provide the easiest way to power your Ethernet devices, such as PLANET ICA-110, Internet Camera on the ceiling, or WAP-4000, Wireless Access Point which is installed on the top of the building. It's the same as the VIP-154PT, the IP phone used in office or home.



ORDERING INFORMATION

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|---------|---|
| POE-152 | IEEE 802.3af Power over Ethernet Injector (10/100/1000Mbps) |
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AVAILABLE MODULES

| | |
|--------------|---|
| POE-152S-5V | IEEE 802.3af Power over Ethernet Splitter with 5VDC output (10/100/1000Mbps) |
| POE-152S-12V | IEEE 802.3af Power over Ethernet Splitter with 12VDC output (10/100/1000Mbps) |