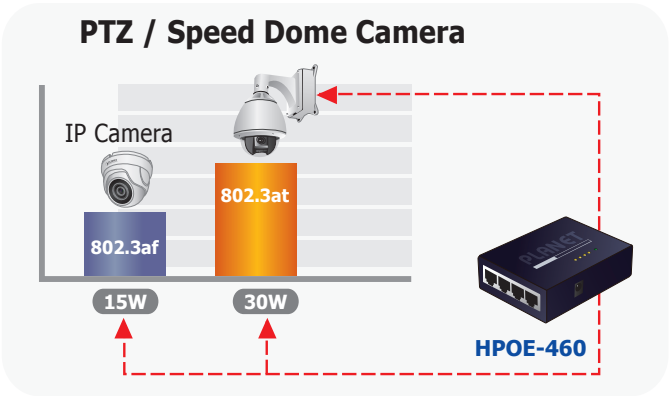
4-port Gigabit IEEE 802.3at Power over Ethernet Plus Injector Hub



802.3af/at Power PoE for SOHO PoE Applications

PLANET HPOE-460 is a 4-port Gigabit IEEE 802.3at PoE+ Injector Hub, featuring both IEEE 802.3af and IEEE 802.3at Power over Ethernet Plus (PoE+) that deliver up to 30-watt power output and data per port over one Cat 5e/6 Ethernet cable. It is designed specifically to satisfy the demand of higher power consuming network PDs (powered devices) such as PTZ (pan, tilt, zoom)/speed dome network cameras, multi-channel (802.11ac/b/g/n/a) wireless LAN access points and other network devices by providing the double amount of PoE power, more than the conventional 802.3af PoE PSE.

The IEEE 802.3at Power over Ethernet Plus standard is defined to provide each PoE device with a maximum of up to 30 watts of input power, doubling the amount of PoE power of the conventional 802.3af PoE PSE. The IEEE 802.3at PoE+ standard is an ideal solution to meeting the high power requirements directly via the RJ45 port.



Quick and Easy PoE Network Deployment

With 4 **10/100/1000BASE-T Gigabit** Ethernet ports, the HPOE-460 supports full DC 52V~56V power for any remote 802.3af/802.3at powered device (PD) without affecting **data** transmission performance. Supporting PoE power budget of **120 watts**, the HPOE-460 provides sufficient 15.4/30.8-watt PoE power to up to 4 remote PD devices. It offers a cost-effective and quick solution to upgrading network system to IEEE 802.3af/IEEE 802.3at Power over Ethernet system without replacing the existing Ethernet switch.

8-port RJ45

- 4-port 10/100/1000Mbps **"Data Input"**
- 4-port 10/100/1000Mbps **"Data + Power Output"**

Power over Ethernet

- IEEE 802.3at and IEEE 802.3af Power over Ethernet mid-span PSE
- Up to 4 IEEE 802.3at/802.3af devices powered
- DC 52V~56V power over RJ45 Ethernet cable to devices with Ethernet port
- PoE power up to 30.8 watts (802.3at PoE+)/15.4 watts (802.3af PoE) for each PoE port
- Remote power feeding up to 100m
- Full power support for each PoE port
- Automatically detects PD
- Circuit protection prevents power interference between ports

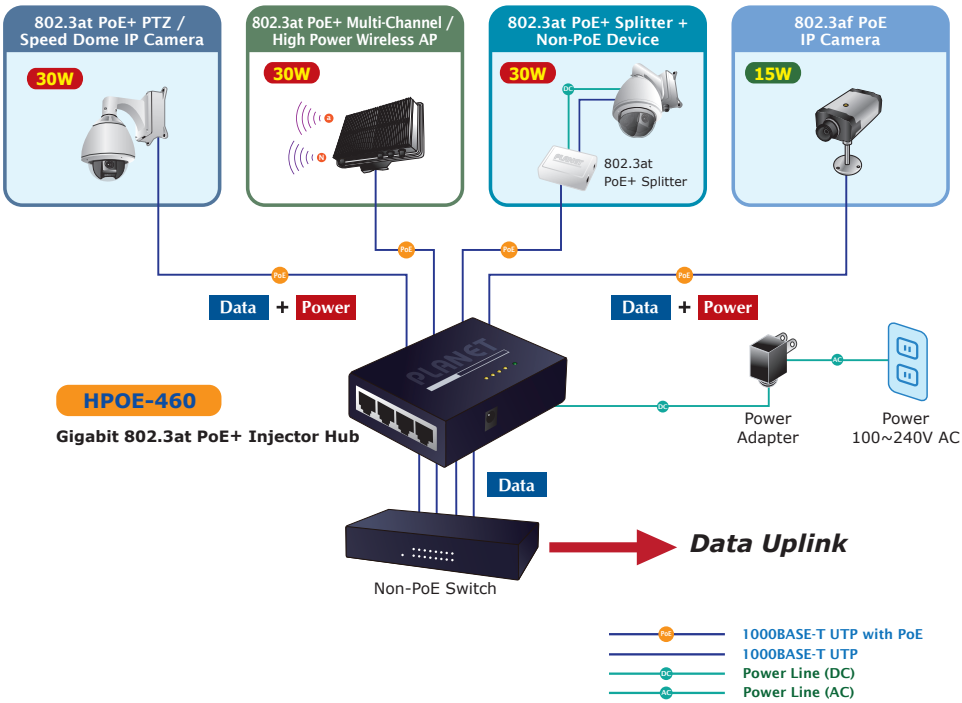
Hardware

- Desktop palm size, wall mountable
- Power input LED
- FCC Part 15 Class B, CE
- 100~240V AC, 50/60Hz, 2A universal power supply adapter with DC 52V~56V power output
- Plug and Play

Standard Compliance

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3af Power over Ethernet
- IEEE 802.3at Power over Ethernet Plus

There are 8 RJ45 STP ports on the front panel of the HPOE-460, of which half of the ports on the right panel function as **"Data input"** and the other half on the left panel function as **"PoE (Data and Power) output"**. The 4 **"PoE (Data and Power) output"** ports are also the power injectors that transmit DC voltage to the Cat 5/5e/6 cable and transfer data and power simultaneously between the injectors and splitters. For the places hard to find the power inlet, the HPOE-460 and IEEE 802.3at Power over Ethernet Splitter (POE-162S/IPOE-162S) provide the easiest way to power your Ethernet devices such as IP cameras on the ceiling and wireless access point installed on the top of the building.

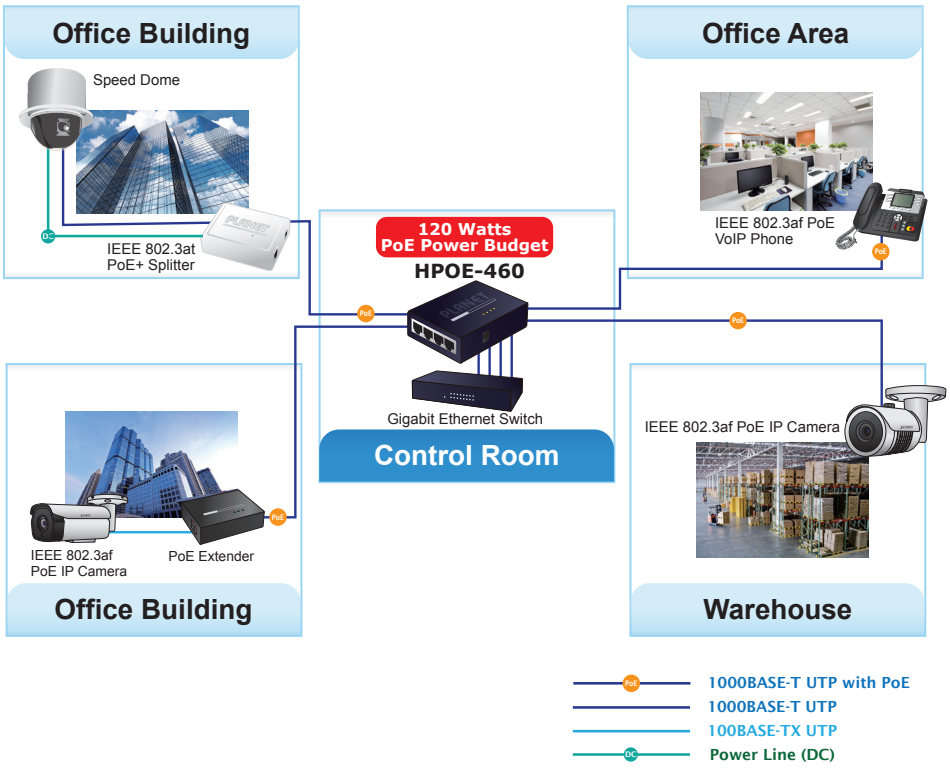


Applications

SOHO Gigabit PoE Network Deployment

The HPOE-460 provides the easiest way to power your Ethernet devices such as PTZ and speed dome IP cameras on the ceiling, the wireless access point installed on the roof of the building and the PoE IP phones in the office.

With 4 10/100/1000BASE-T Gigabit Ethernet ports, the HPOE-460 supports full DC 52V~56V power for any remote 802.3af/ 802.3at PD. Furthermore, the HPOE-460 can be directly connected to any third-party IEEE 802.3af/802.3at compliant devices installed 100 meters away and allow the administrator to centrally control the power system of the network devices.



Specifications

Product		HPOE-460
Hardware Specifications		
Interface	“Data” Input Ports	4 x RJ45
	“Data + Power” Output Ports	4 x RJ45
Data Rate		10/100/1000Mbps
LED		System: Power x 1 (Green) Per PoE Port: PoE ready/in-use x 4 (Amber)
Dimensions (W x H x D)		97 x 26 x 70mm
Weight		208g
Power Requirements		DC 52V~56V
Network Cable		10BASE-T: 4-pair UTP Cat. 5, up to 100m (328ft) 100BASE-TX: 4-pair UTP Cat. 5, up to 100m (328ft) 1000BASE-T: 4-pair UTP Cat. 5e/6, up to 100m (328ft) EIA/TIA- 568 100-ohm STP (100m or 328ft)
Power over Ethernet		
PoE Power Supply Type		Mid-span
PoE Power Output		IEEE 802.3af per port DC 52V~56V 15.4 watts IEEE 802.3at per port DC 52V~56V 30.8 watts
Power Pin Assignment		4/5(+), 7/8(-)
PoE Power Budget		120 watts
Standards Conformance		
Standards Compliance		IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus
Regulatory Compliance		FCC Part 15 Class B, CE
Environment		
Operating Temperature		0 ~ 50 degrees C
Storage Temperature		-10 ~ 70 degrees C
Humidity		5 ~ 95% (non-condensing)

Ordering Information

HPOE-460	4-port Gigabit IEEE 802.3at Power over Ethernet Plus Injector Hub

Related PoE Products

POE-1200G	12-Port Gigabit IEEE 802.3at PoE+ Managed Injector Hub (220 watts)
POE-2400G	24-Port Gigabit IEEE 802.3at PoE+ Managed Injector Hub (440 watts)
HPOE-1200G	12-Port Gigabit IEEE 802.3at PoE+ Managed Injector Hub (360 watts)
HPOE-2400G	24-Port Gigabit IEEE 802.3at PoE+ Managed Injector Hub (720 watts)
POE-161S	IEEE 802.3at Gigabit Power over Ethernet Plus Splitter with 5V/12VDC Output (10/100/1000Mbps)
POE-162S	IEEE 802.3at Gigabit Power over Ethernet Plus Splitter with 12V/24VDC Output (10/100/1000Mbps)
IPOE-162S	Industrial IEEE 802.3at Gigabit High Power over Ethernet Splitter
POE-E101	IEEE 802.3af Power over Ethernet Extender
POE-E201	IEEE 802.3at Power over Gigabit Ethernet Extender
POE-E202	1-Port 802.3at PoE+ to 2-Port 802.3af/at Gigabit PoE Extender
LRP-101CH	1-Port 10/100TX PoE PD + 1-Port Coax Long Reach PoE Injector
LRP-101UH	1-Port 10/100TX PoE PD + 1-Port UTP Long Reach PoE Injector

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