

# 24-Port IEEE 802.3af PoE Injector Hub



## Quick and Easy PoE Network Deployment

PLANET POE-2400 is a 24-port IEEE 802.3af Power over Ethernet Injector Hub, which complies with IEEE 802.3, IEEE 802.3u and IEEE 802.3af standards. With 24 10/100Base-TX Fast Ethernet ports, this device supports full 48VDC power for any remote IEEE 802.3af powered devices (PDs) like wireless LAN access point, IP phone, and IP camera. Supporting power supply of 220 watts, the PoE-2400 provides sufficient power to 24 remote PD devices.

The POE-2400 is installed between a regular Ethernet switch and the powered devices, injecting power without affecting the data transmission. It offers a cost effective and quick solution to upgrading network system to IEEE 802.3af Power over Ethernet system without replacing the existing Ethernet switch.

## Easy Cabling installation

The POE-2400 is installed between a regular Ethernet Switch and the powered devices; it injects power to the PDs without affecting data transmission performance. It offers a cost effective and quick solution to upgrading network system to IEEE 802.3af Power over Ethernet system without replacing the existing Ethernet switch. There are 48 RJ-45 STP ports on the front panel of the POE-2400, of which the 24 ports are on the lower stack function as "Data input" and the other 24 ports are on the upper stack function as "PoE (Data and Power) output". The 24 "PoE output" ports are also the power injectors that transmit DC voltage to the CAT 3/4/5/5e/6 cable and transfer data and power simultaneously between the Injectors and Splitters.

## Friendly, Simple Web Management Interface

To efficiently manage the powered devices, POE-2400 provides web management interface in which administrators can use the functions including port enable/disable, port priority, system configuration and user name / password change, and with smart features for powered device. The PoE injector hub can auto detect the power status of each port and show messages on its Web management interface. These features also provide a cost-effective way to manage the device via Internet whenever you are at work or at home.

## Interface

- 48-Port RJ-45 STP
  - 24-Port "Data input"
  - 24-Port "Data + Power output"
- 1 10/100Base-TX Management port

## PoE

- Complies with IEEE 802.3af Power over Ethernet Mid-span PSE
- Up to 24 IEEE 802.3af devices powered
- Supports PoE power up to 15.4 watts for each PoE ports
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m

## PoE Management

- Total PoE power budget control
- Per port PoE function enable/disable
- PoE port power feeding priority
- Per PoE port power limit
- PD classification detection

## Management

- Web interface for remote management
- Firmware upgrade through Web interface
- PLANET Smart Discovery utility
- SNMP Trap for alarm notification of events

## Hardware

- 19-inch rack mountable; 1U height
- Reset button for reset to default setting and system reboot
- LED indicators for PoE ready, PoE activity

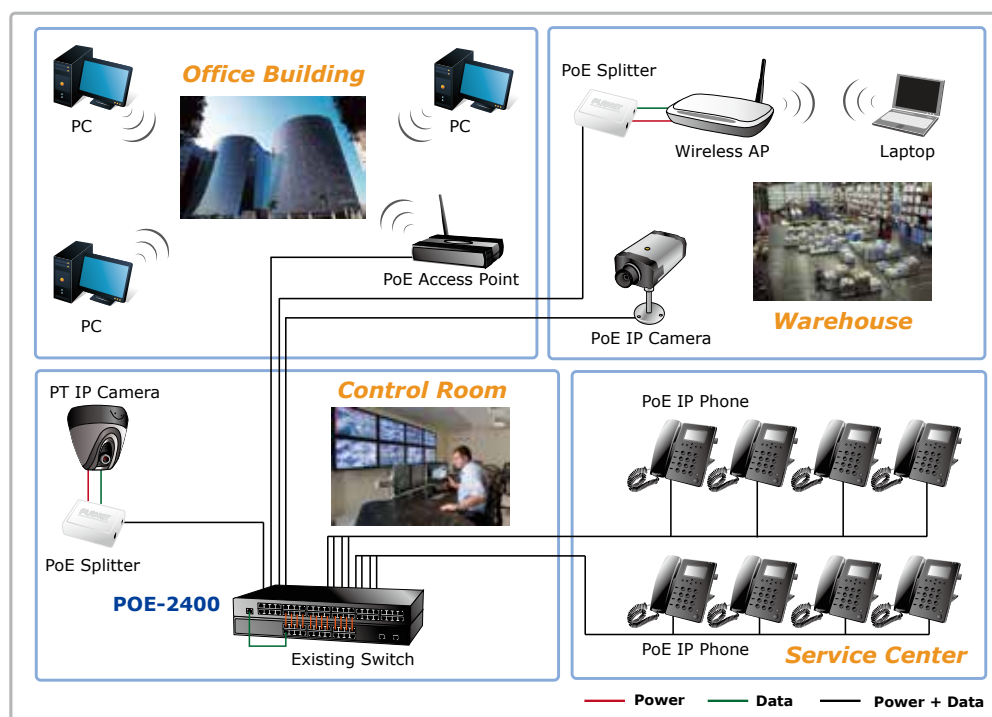
## Standard Compliance

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX
- IEEE 802.3af Power over Ethernet
- FCC Part 15 Class A, CE

## Applications

### PoE Injector Hub

For the places hard to find the power outlet, the PoE-2400 provides the easiest way to power up your PoE Ethernet devices. To control the power system of your networking devices, the PoE-2400 can directly co-work with PLANET PoE VoIP phone and PoE wireless AP products to build telephony and wireless integrated networking in the office. Furthermore, the POE-2400 can be directly connected to any third party IEEE 802.3af devices and Ethernet switch installed 100 meters away.



## Specifications

Product		POE-2400
Hardware Specifications		
Interface	Data Input Ports	24 x RJ-45 STP
	Data+Power Output Ports	24 x RJ-45 STP
	Management Port	1 x RJ-45; 10/100Base-TX, auto-negotiation, auto-MDI / MDIX
LED		System: Power x 1 (Green) Management Port x 2: 10/100 (Green / Orange) Per PoE Port: PoE In-use x 1 (Green)
Network Cable		10Base-T: 2-Pair UTP Cat. 3, 4, 5, up to 100m (328ft) 100Base-TX: 2-Pair UTP Cat. 3, 4, 5, up to 100m (328ft) EIA/TIA- 568 100-ohm STP (100m)
Dimensions (W x D x H)		440 x 200 x 44 mm (1U height)
Weight		3.3kg
Power Requirements		100-240V AC, 50/60 Hz
Power Consumption		260 watts max.
Operating Temperature		0 ~ 50 degrees C
Storage Temperature		-40 ~ 70 degrees C
Humidity		5 ~ 95% (non-condensing)
Cooling		Fan x 2
Power over Ethernet		
PoE Standard		IEEE 802.3af Power over Ethernet
PoE Power Supply Type		Mid-span
PoE Power Output		Per Port 48V DC, 350mA . Max. 15.4 watts
Power Pin Assignment		4/5(+), 7/8(-)
Power Budget		220 watts
Management		

Management Interface	Web, PLANET Smart Discovery Lite
PoE Management	Power Limit by Priority and Total Limit Per port power enable/disable Power feeding priority Current usage and status Total power consumption
Management Feature	System / Management function setup Web firmware upgrade SNMP Trap for alarm notification of events
<b>Standards Conformance</b>	
Standards Compliance	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3af Power over Ethernet
Regulation Compliance	FCC Part 15 Class A, CE

The specifications are for POE-2400 hardware version 2 only.

## Ordering Information

POE-2400	IEEE 802.3af 24-Port Power over Ethernet Web Management Injector Hub
----------	--

## Related Products

ICA-2200	Full HD PoE Box IP Camera
ICA-2500	5 Mega-pixel PoE Box IP Camera
ICA-3350V	3 Mega-pixel Vari-focal Bullet IR IP Camera
ICA-5350V	3 Mega-pixel Vandalproof IR IP Camera
ICA-HM101	2 Mega-pixel PoE Cube IP Camera
ICA-HM126	H.264 Full HD Box IP Camera
ICA-HM127	3 Mega-pixel H.264 Box IP Camera
ICA-HM131	H.264 Full-HD Fixed Dome IP Camera
ICA-HM132	H.264 2 Mega-pixel 20M IR Vari-focal Dome IP Camera
ICA-HM136	H.264 2 Mega-pixel 20M IR Vandalproof Dome IP Camera
ICA-HM312	2 Mega-pixel 25M IR Outdoor Bullet PoE IP Camera
ICA-HM351	2 Mega-pixel 35M IR Outdoor Box PoE IP Camera
ICF-1700	Touch Screen Internet Multimedia Phone
POE-152S	IEEE 802.3af Power over Ethernet Splitter
POE-E101	IEEE 802.3af Power over Ethernet Extender
VIP-256PT	802.3af PoE SIP IP Phone
VIP-560PT	Professional PoE IP Phone

### PLANET Technology Corporation

11F., No.96, Minquan Rd., Xindian Dist., New Taipei City  
231, Taiwan (R.O.C.)

Tel: 886-2-2219-9518

Email: sales@planet.com.tw

Fax: 886-2-2219-9528

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 © 2014 PLANET Technology Corp. All rights reserved.

**C-POE-2400v2**