

# 24-Port Gigabit IEEE 802.3af Power over Ethernet Injector Hub



## Quick and Easy Gigabit PoE Network Deployment

The PLANET POE-2400G is 24-Port Gigabit IEEE 802.3af PoE Web Management injector Hub and complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab and IEEE 802.3af standards. With **24 10/100/1000Base-T Gigabit** Ethernet ports, the POE-2400G supports full 48V DC power for any remote IEEE 802.3af powered device (PD) such as Wireless LAN Access Point, IP phone, and IP Camera. Supporting full PoE power budget of **380 Watts**, the POE-2400G provides sufficient 15.4 Watts PoE power to 24 remote PD devices.

## Easy Cabling Installation

The POE-2400G is installed between a regular Ethernet Switch and the powered devices; it injects power to the PDs without affecting the data transmission performance. It offers a cost effective and quick solution to upgrade 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 PoE Injector Hub, of which the 24 ports on the lower stack function as "Data input" and the other 24 ports on the upper stack function as "PoE (Data and Power) output". The 24 "PoE output" ports are also the power injectors which 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, the POE-2400G provides Web management interface in which administrators can control the functions including port Enable / Disable, port priority, system configuration, and Username / Password changing and smart features for powered devices. The PoE injector Hub can automatically detect the power status of each port and show messages on its Web management interface. These features also provide users a cost-effective way to manage the device via Internet whenever they are at work or at home.

## KEY FEATURES

### INTERFACE

- 48-Port **10/100/1000Base-T Gigabit** RJ-45 STP
  - 24-Port "Data input"
  - 24-Port "PoE (Data + Power) output"
- 1 10/100Base-TX management port with auto MDI / MDI-X feature

### 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
- Automatically detect powered device (PD)
- Circuit protection prevent 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
- PoE Power Schedule
- Over Temperature Protection

### MANAGEMENT

- Web interface for remote management
- Support Network Time Protocol
- Firmware upgrade through Web interface
- PLANET Smart Discovery utility automatically finds PLANET devices on the network
- SNMP Trap for alarm notification of events

### HARDWARE

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

### STANDARD COMPLIANCE

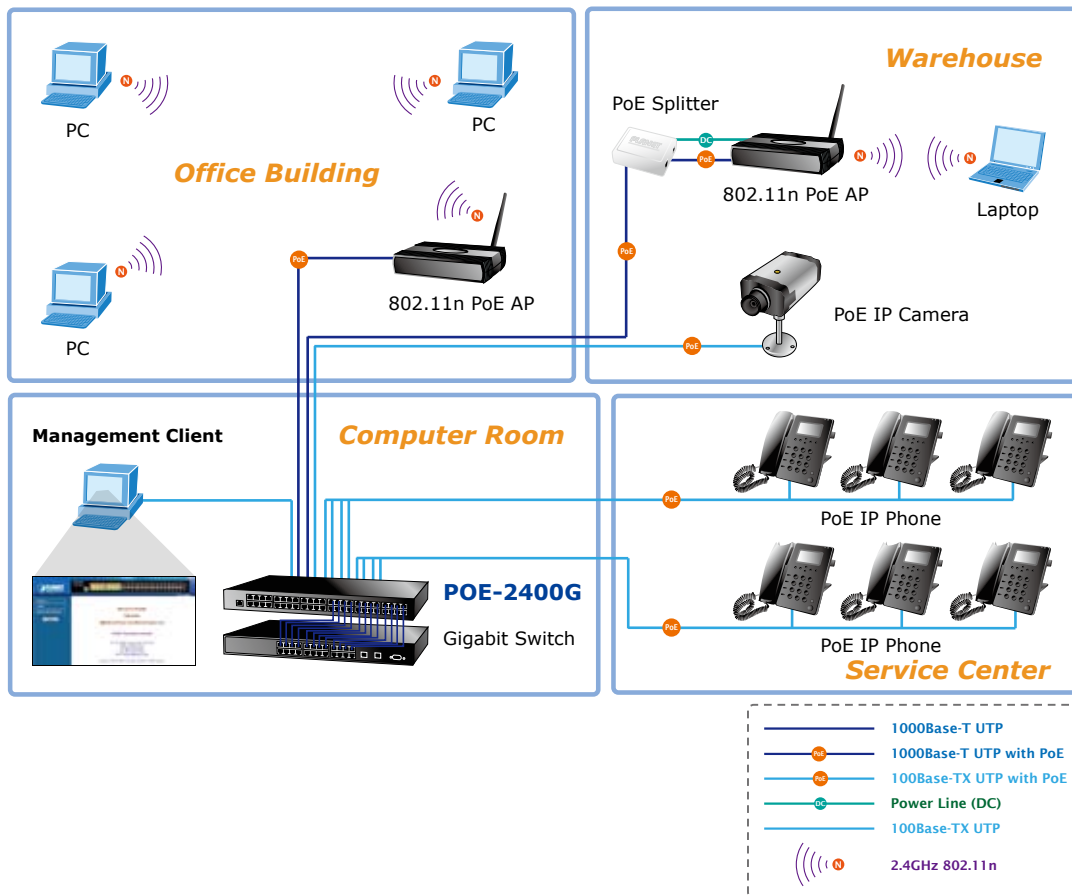
- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3af Power over Ethernet
- FCC Part 15 Class A, CE

**APPLICATIONS**

*Gigabit PoE Network Deployment*

The POE-2400G provides the easiest way to power your Ethernet devices such as IP Camera on the ceiling and the Wireless Access Point installed on the top of the building. With 24 10/100/1000Base-TX Gigabit Ethernet ports, the POE-2400G supports full 48V DC power for any remote IEEE 802.3af powered device (PD).

To control the power system of your networking devices, the POE-2400G can directly co-work with PoE IP phone to build VoIP telephony network in the office. Furthermore, the POE-2400G can be directly connected to any third party IEEE 802.3af compliant devices installed 100 meters away.



**SPECIFICATION**

Product	<b>24-Port Gigabit IEEE 802.3af Power over Ethernet Injector Hub</b>	
Model	POE-2400G	
<b>Hardware Specification</b>		
Interface	"Data" Input Ports "PoE (Data+Power)" Output Ports Management Port	24 x RJ-45 STP 24 x RJ-45 STP 1 x RJ-45; 10/100Base-TX, auto-negotiation, auto-MDI / MDIX
Data Rate	10/100/1000Mbps	
LED	System: Power x 1 (Green) FAN Alert x 1(Green) Power Alert x1 (Green) Management Port x2: 10/100 (Orange / Green) 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) 1000Base-T: 2-pair UTP Cat. 5e, 6 up to 100m (328ft) EIA/TIA- 568 100-ohm STP (100m)	
Dimension (W x D x H)	440 x 200 x 44 mm (1U height)	
Weight	3.3kg	
Power Requirement	100-240V AC, 50/60 Hz	
Power Consumption	400 Watts max.	
Cooling	Fan x 2	
<b>Power over Ethernet</b>		
PoE Standard	IEEE 802.3af Power over Ethernet / Mid-Span PSE	
PoE Power supply Type	Mid-Span	
PoE Power Output	Per Port DC 48V 15.4 Watts	
Power Pin Assignment	4/5(+), 7/8(-)	
PoE Power Budget	380 Watts	
<b>Management</b>		
Management Interface	Web, PLANET Smart Discovery Utility	
PoE Management	Power Limit by Priority and Total Limit Per port power Enable/Disable Power feeding priority Current usage and status Total power consumption Per port power Schedule	
Management Feature	System / Management functions 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 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3af Power over Ethernet	
Regulation Compliance	FCC Part 15 Class A, CE	
<b>Environmental Specification</b>		
Operating	Temperature:	0 ~ 50 Degree C
	Relative Humidity:	5 ~ 95% (non-condensing)
Storage	Temperature:	-40 ~ 70 Degree C
	Relative Humidity:	5 ~ 95% (non-condensing)

**ORDERING INFORMATION**

POE-2400G	24-Port Gigabit IEEE 802.3af Power over Ethernet Injector Hub (380 Watts full power)
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**RELATED PoE PRODUCTS**

<i>POE-151S-5V</i>	IEEE 802.3af Power Over Ethernet Splitter with 5VDC output (Mid-Span), (10/100Mbps)
<i>POE-151S-12V</i>	IEEE 802.3af Power Over Ethernet Splitter with 12VDC output (Mid-Span), (10/100Mbps)
<i>POE-152S-5V</i>	IEEE 802.3af Power Over Ethernet Splitter with 5VDC output (End-Span), (10/100/1000Mbps)
<i>POE-152S-12V</i>	IEEE 802.3af Power Over Ethernet Splitter with 12VDC output (End-Span), (10/100/1000Mbps)
<i>FSD-803PE</i>	8-Port 10/100Mbps Fast Ethernet Switch w/ IEEE 802.3af splitter built-in
<i>ICA-107P</i>	PoE CMOS IP Camera
<i>ICA-H312</i>	H.264 25-meter IR Internet Camera
<i>ICA-750</i>	Dual Mode CCD Box Internet Camera
<i>IVS-110</i>	1-Channel Internet Video Server
<i>WAP-4033PE</i>	54Mbps Wireless PoE Access Point
<i>WAP-4060PE</i>	54/108Mbps Super G Wireless LAN Managed Access Point with PoE
<i>WDAP-2000PE</i>	54/108Mbps Super A+G WLAN Managed Access Point with PoE
<i>WNAP-3000PE</i>	54/108Mbps 802.11n Enterprise PoE Access Point
<i>VIP-254PT</i>	SIP PoE IP Phone
<i>VIP-255PT</i>	Multi-Language PoE IP Phone
<i>VIP-156PE</i>	802.3af PoE SIP Analog Telephone Adapter
<i>VIP-351PT</i>	Enterprise PoE IP Phone