

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



Quick and Easy PoE Network Deployment

The PLANET POE-2400 is a 24-Port IEEE 802.3af Power over Ethernet injector Hub and 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 device (PD) like Wireless LAN Access Point, IP phone, and IP Camera. Supporting power supply of 220 watts, 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 upgrade network system to IEEE 802.3af Power over Ethernet system without replacing the existing Ethernet switch.

Easy Cabling installation

There are 48 RJ-45 STP ports on the front panel of Hub, in which the 24 ports on the lower stack function as "Data input" and the other 24 ports on the upper stack function as "Data and Power output". Each of the "Data and Power output" port on the upper stack operates as a power injector which transmits DC Voltage to the CAT 5 cable to transfer data and power simultaneously between the Injector and Splitter.

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 Username / Password changing 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 from Internet whenever you are at work or at home.

KEY FEATURES

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
- Support PoE Power up to 15.4 watts for each PoE ports
- Auto 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

MANAGEMENT

- Web interface for remote management
- 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 reset to default setting and system reboot
- LED indicators for PoE ready and PoE activity

STANDARD COMPLIANCE

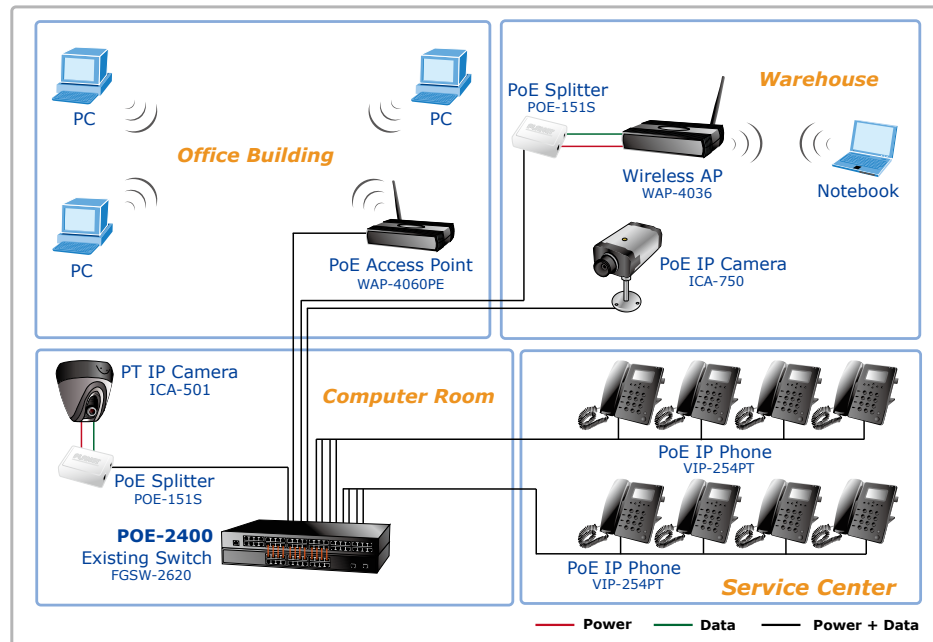
- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX
- IEEE 802.3af Power over Ethernet
- FCC Part 15 Class A, CE

APPLICATIONS

PoE Injector Hub

For the places hard to find the power outlet, POE-2400 provides the easiest way to power your Ethernet devices such as PLANET IP Camera ICA-750 on the ceiling and the Wireless Access Point WAP-4060PE installed on the top of the building.

To control the power system of your networking devices, POE-2400 can directly co-work with PLANET VIP-254PT and PoE IP phone to build VoIP telephony network in the office. Furthermore, the POE-2400 can be directly connected to any third party 802.3af devices and PoE Switches installed 100 meters away.



SPECIFICATION

| | | |
|-------------------------------|---|---|
| Product | IEEE 802.3af 24-Port Power over Ethernet Web Management Injector Hub | |
| Model | POE-2400 | |
| Hardware Specification | | |
| 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 x2: 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) | |
| 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 | 260 watts max. | |
| Operating Temperature | 0 ~ 50 Degree C | |
| Storage Temperature | -40 ~ 70 Degree C | |
| Humidity | 5 ~ 95% (Non-condensing) | |
| Cooling | Fan x 2 | |
| Power over Ethernet | | |
| PoE Standard | IEEE 802.3af Power over Ethernet / Mid-Span PSE | |
| 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 Power Limit by Priority and Total Limit Per port power enable/disable |
| PoE Management | Power feeding priority Current usage and status Total power consumption |
| Management Feature | System / Management functions setup Web firmware upgrade SNMP Trap for alarm notification of events |

Standards Conformance

| | |
|------------------------------|--|
| 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 specification is for POE-2400 hardware version 2 only

ORDERING INFORMATION

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

AVAILABLE MODULES

| | |
|---------------------|---|
| POE-151S-5V | IEEE 802.3af Power Over Ethernet Splitter with 5VDC output (Mid-Span), (10/100Mbps) |
| POE-151S-12V | IEEE 802.3af Power Over Ethernet Splitter with 12VDC output (Mid-Span), (10/100Mbps) |
| POE-152S-5V | IEEE 802.3af Power Over Ethernet Splitter with 5VDC output (End-Span), (10/100/1000Mbps) |
| POE-152S-12V | IEEE 802.3af Power Over Ethernet Splitter with 12VDC output (End-Span), (10/100/1000Mbps) |
| FSD-803PE | 8-Port 10/100Mbps Fast Ethernet Switch w/ IEEE 802.3af splitter built-in |
| ICA-107P | PoE CMOS IP Camera |
| ICA-310 | 30-meter Infrared Internet Camera |
| ICA-700 | CCD Box Internet Camera |
| ICA-750 | Dual Mode CCD Box Internet Camera |
| IVS-110 | 1-Channel Internet Video Server |
| WAP-4033PE | 54Mbps Wireless PoE Access Point |
| WAP-4060PE | 54/108Mbps Super G Wireless LAN Managed Access Point with PoE |
| WDAP-2000PE | 54/108Mbps Super A+G WLAN Managed Access Point with PoE |
| VIP-254PT | SIP PoE IP Phone |
| VIP-255PT | PoE IP Phone |
| VIP-156PE | 802.3af PoE SIP Analog Telephone Adapter |
| VIP-350PT | Business PoE IP Phone |
| VIP-550PT | Professional PoE IP Phone |