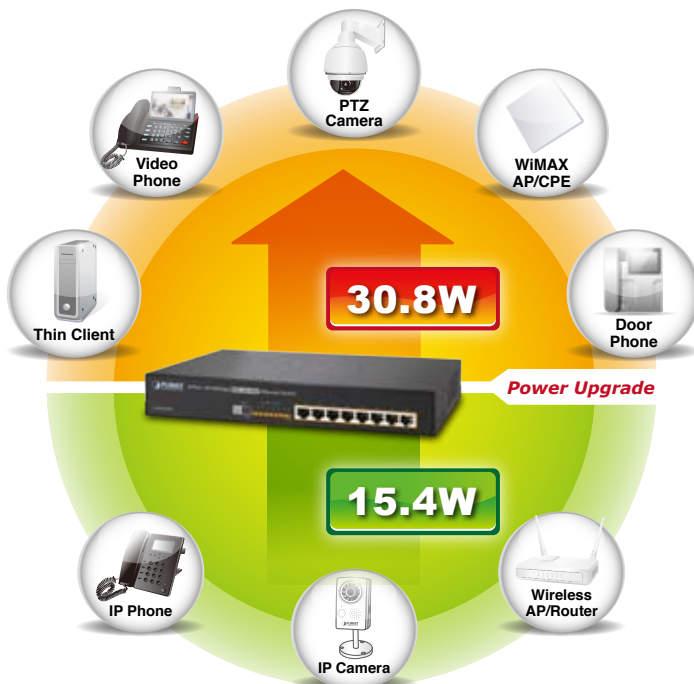# 8-Port 10/100Mbps 802.3at PoE Desktop Switch

High Power PoE for Security and Public Service Applications

To fulfill the demand of High Power PoE for network applications with Fast Ethernet speed transmission, the PLANET 802.3at PoE Fast Ethernet Switch - **FSD-808HP** is an ideal solution. Each 10/100Mbps port of the FSD-808HP features **IEEE 802.3af** and High Power IEEE 802.3at Power over Ethernet (PoE) that combines up to **140 Watts** power output and data per port over one Cat.5E / 6 Ethernet cable. With totally **140 Watts** PoE budget on whole system, the FSD-808HP is designed specifically to satisfy the growing demand of higher power consuming network PD (powered devices) such as **PTZ** (Pan, Tilt & Zoom) / **Speed Dome network cameras**, multi-channel (802.11a/b/g/n) wireless LAN access points and other network devices by providing double PoE power than conventional 802.3af PoE currently.

RJ-45 Interface

- 8-Port 10/100Mbps Fast Ethernet
- 8-Port supports 52V DC power to PoE Powered Device

Power over Ethernet

- Complies with IEEE 802.3af / IEEE 802.3at Power over Ethernet End-Span PSE
- Up to 8 IEEE 802.3af / IEEE 802.3at devices powered
- Supports PoE Power up to 30 Watts for each PoE port
- Auto detect powered device (PD)
- Circuit protection prevents power interference between each port
- PoE Usage Alarm LED
- Remote power feeding up to 100m

Switching

- Hardware based 10/100Mbps Auto-Negotiation and Auto MDI/MDI-X
- Flow control for Full Duplex operation and back pressure for Half Duplex operation
- Integrates address look-up engine, supporting 2K absolute MAC addresses
- Automatic address learning and address aging
- Supports Energy-Efficient Ethernet (EEE) function (IEEE 802.3az)

Hardware

- 12-inch desktop size, 1U height
- LED indicators for PoE ready, PoE activity and PoE Usage Alarm
- Fanless design

Intelligent PoE Management

To facilitate power management, the FSD-808HP implements powerful PoE intelligent features:

■ PoE Power Usage Display

The FSD-808HP helps users to monitor current status of PoE power usage easily and efficiently by its intelligent PoE Management feature of LED indication, There are two orange LEDs named "PoE Power Usage" located on left side of the FSD-808HP front panel. Of which, one LED indicates the total power output of Port 1-4 and the other LED shows the total power output of Port 5-8. When Port 1-4 or 5-8 PoE output is over 80%, the LED will be lighted up, when Port 1-4 or 5-8 PoE output is over 95%, the LED will Blink to notify customers for better PoE allocation.
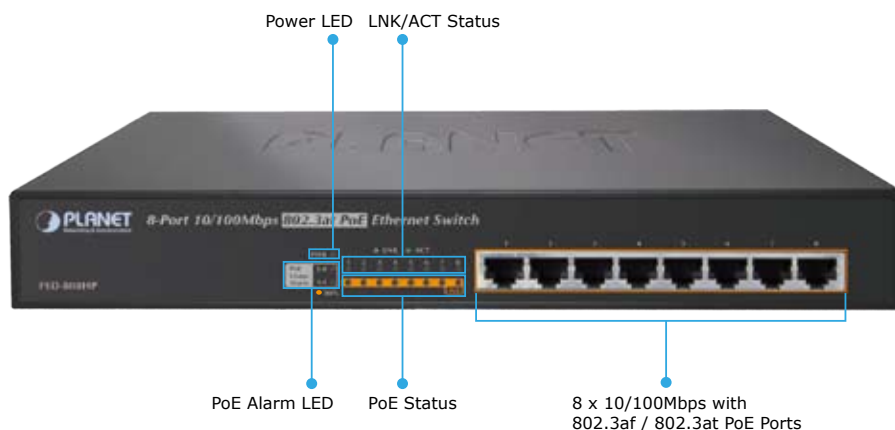

Energy-Saving Green Design

The FSD-808HP uses new engine that incorporates one advanced Green Networking technology:

■ Idle Mode Link Down power saving

The Idle mode Link Down power saving of the FSD-808HP complies with IEEE 802.3az Energy-Efficient Ethernet (EEE) standard to automatically lower power for a given port when it is idled.

Easy Installation

Providing data transfer and High Power PoE function in one unit, the FSD-808HP shall reduce the need of extension cables and dedicated electrical outlets on the wall, ceiling or any unreachable place. It helps to lower the installation costs and simplify the installation effort.
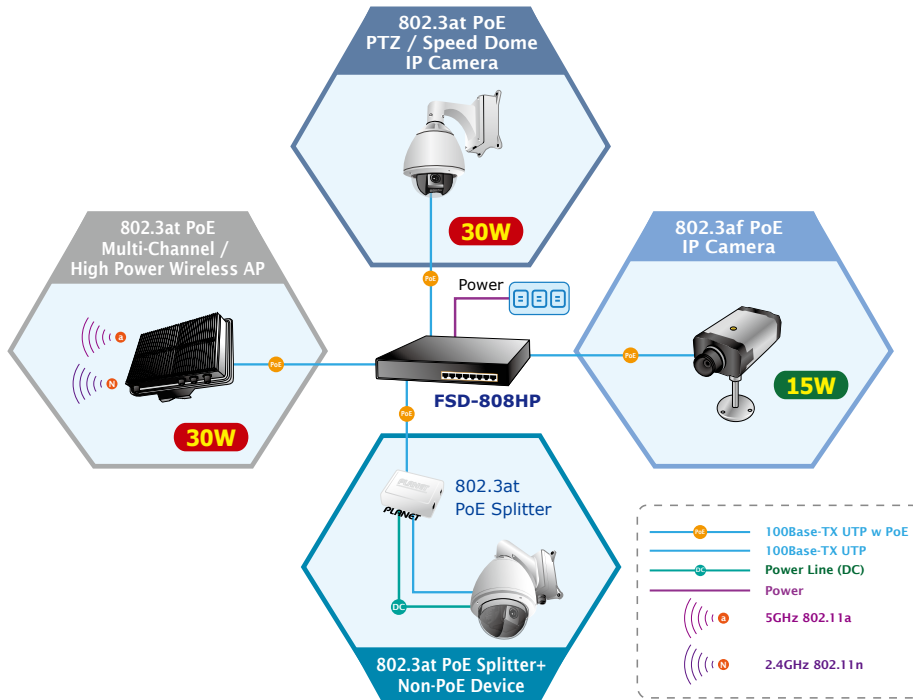

All RJ-45 copper interfaces in the FSD-808HP support 10/100Mbps Auto-Negotiation for optimal speed detection through RJ-45 Category 6, 5 or 5e cables. It also supports standard Auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables.
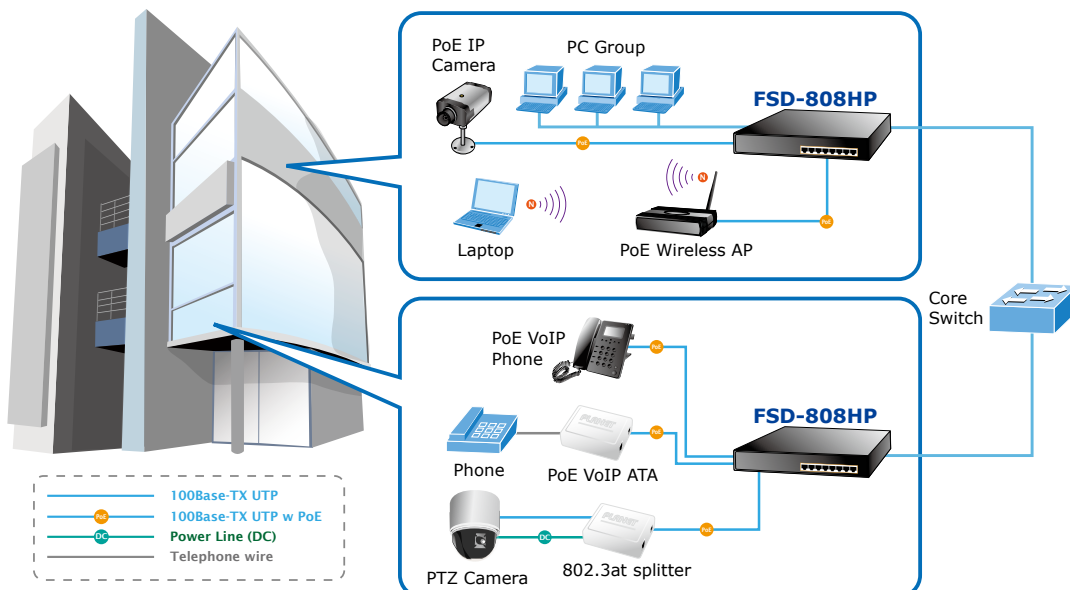
Application

High Power PoE Application

PLANET FSD-808HP is an ideal solution for IEEE 802.3af and High Power IEEE 802.3at Power over Ethernet (PoE) application. It combines up to 140 Watts power output budget and data transfer over one Cat. 5E / 6 Ethernet cable. With totally 140 Watts PoE budget on whole system, it is designed specifically to satisfy the growing demand of higher power consuming network PD (powered devices) such as PTZ (Pan, Tilt & Zoom) / Speed Dome network cameras, multi- channel (802.11a/b/g/n) wireless LAN access points and other network devices by providing double PoE power than conventional 802.3af PoE currently.

Flexible VoIP Deployment in IP Office

PLANET FSD-808HP PoE Switch helps enterprises to efficiently create an integrated data, voice, and powered VoIP network. As the business expands, the additional telephones required could be installed in less cost via the implementation of PoE IP Telephony system than that of the traditional circuit wiring telephony system. PLANET IEEE 802.3af compliant IP Phones can be installed without any power cable because it can be powered via the standard Ethernet cable from the connected FSD-808HP. With the FSD-808HP, IP Telephony deployment becomes more reliable and cost effective, which helps enterprises save tremendous cost when upgrading from the traditional telephony system to IP Telephony communications infrastructure.

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Specification

Product	8-Port 10/100Mbps 802.3at PoE Desktop Switch
Model	FSD-808HP
Hardware Specification	
Network Connector	8-Port RJ-45 for 10/100Base-TX
LED Display	System: Power (Green) PoE Usage Alarm: 1-4 (Orange) 5-8 (Orange) Per port : PoE in-use (Green) LNK/ACT (Green)
Switch Architecture	Store and Forward switch architecture
MAC Address	2K MAC address table with Auto learning function
Switch Fabric	1.6Gbps
Switch Throughput	1.19Mpps@64Bytes
Power Requirement	AC 100~240V, 50/60Hz, 2A max.
Power Consumption	Max.150 Watts / 511 BTU
Dimension (W x D x H)	280 x 180 x 44 mm
Weight	1.65kg
Power over Ethernet	
PoE Standard	IEEE 802.3af Power over Ethernet / PSE IEEE 802.3at Enhancement Power over Ethernet / PSE
PoE Power Supply Type	End-Span
PoE Power Output	Per Port 52V DC Max. 30.8 Watts
Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Budget	140 Watts
Environment	
Operating Temperature	0 ~ 50 Degree C
Storage Temperature	-40 ~ 70 Degree C
Operating Humidity	5 ~ 95%, relative humidity, non-condensing
Storage Humidity	5 ~ 95%, relative humidity, non-condensing
Standard Conformance	
Standard Compliance	IEEE 802.3 — Ethernet IEEE 802.3u — Fast Ethernet IEEE 802.3x — Flow Control IEEE 802.3af — Power over Ethernet IEEE 802.3at — Enhancement Power over Ethernet IEEE 802.3az — Energy-Efficient Ethernet
EMI Safety	FCC Class B, CE

Ordering Information

FSD-808HP	8-Port 10/100Mbps 802.3at PoE Desktop Switch

Related PoE 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 Vandal Proof 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-HM131R	H.264 Real Time 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 Vandal Proof Dome IP Camera
ICA-HM312	2 Mega-Pixel 25M IR Outdoor Bullet PoE IP Camera
ICA-HM316	2 Mega-Pixel Outdoor IR PoE IP Camera
ICA-HM351	2 Mega-Pixel 35M IR Outdoor Box PoE IP Camera
ICA-HM835	2 Mega-Pixel Vandal Proof Fish-Eye IP Camera
ICA-HM620	2 Mega-Pixel PoE Plus Speed Dome Internet Camera
POE-152S	IEEE 802.3af Power over Ethernet Splitter
POE-162S	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 Ethernet Extender
WNAP-C3220	802.11n Wireless Ceiling Mount PoE Access Point
WNAP-1120PE	802.11n Wireless Access Point with PoE
ICF-1700	Touch Screen Internet Multimedia Phone
VIP-255PT	Multi–Language PoE IP Phone
VIP-256PT	802.3af PoE SIP IP Phone
VIP-360PT	Business PoE IP Phone
VIP-361PE	Professional PoE IP Phone (5-Line)
VIP-560PT	Professional PoE IP Phone

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