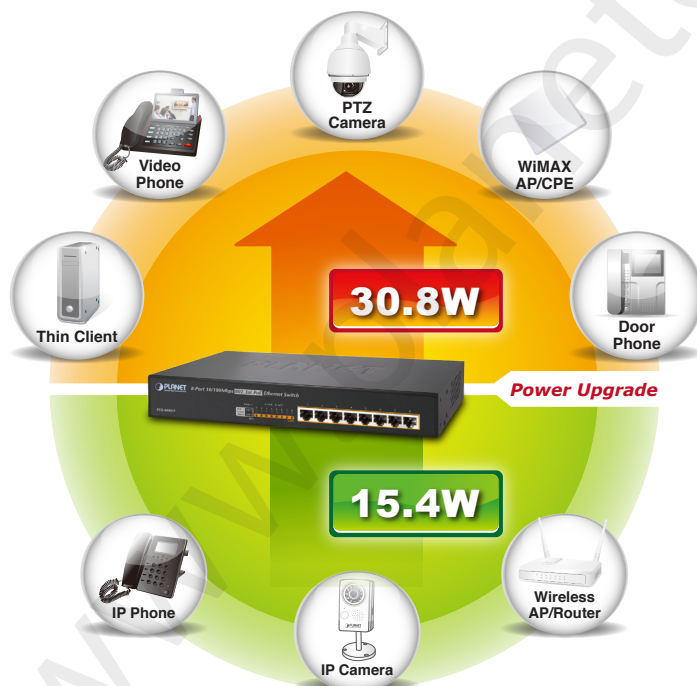


8-Port 10/100Mbps 802.3at PoE Desktop Switch



High Power PoE for Security and Public Service Applications

PLANET's **FSD-808HP** 802.3at PoE Fast Ethernet Switch is an ideal solution that fulfills the demand for High Power PoE network applications with Fast Ethernet speed transmission. Each 10/100Mbps port of the FSD-808HP supports the **IEEE 802.3af** standard and the stronger IEEE 802.3at Power over Ethernet (PoE) standard. The device has a total PoE power budget of **140 Watts** and delivers power and data via one Cat.5E / 6 Ethernet cable. The FSD-808HP is specifically designed to satisfy the growing demand of higher-power consuming network PD's (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 the PoE power than conventional 802.3af PoE compliant devices.



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 up to 30 Watts for each PoE port
- Auto detects powered device (PD)
- Circuit protection prevents power interference between each port
- PoE Usage Alarm LED
- Remote power feeding up to 100m

Switching

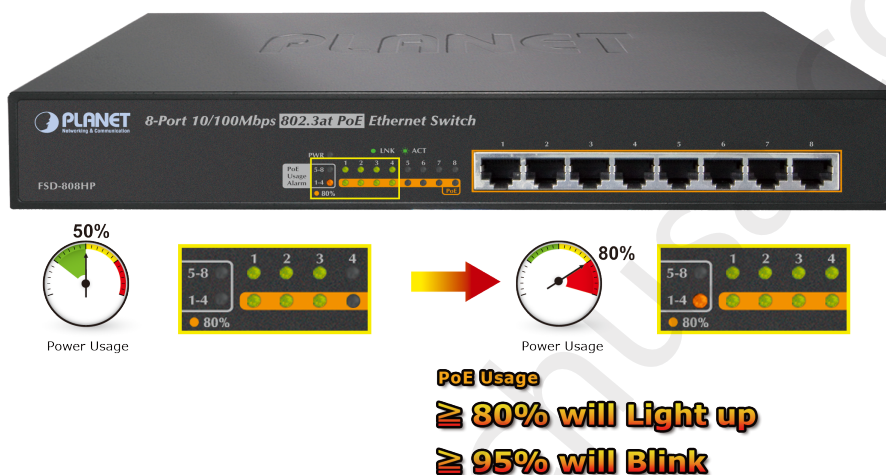
- Hardware based 10/100Mbps Auto-Negotiation and Auto MDI/MDI-X
- Flow control for Full Duplex operation and back pressure for Half Duplex operation
- Integrates address look-up engine, supports 2K absolute MAC addresses
- Automatic address learning and address aging
- Supports Energy-Efficient Ethernet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

Hardware

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

Intelligent PoE Management

To facilitate power management, the FSD-808HP implements powerful PoE intelligent features. The FSD-808HP helps users to easily and efficiently monitor the status of the PoE power usage through its PoE **Power Usage Display** that uses LED indication. Its two orange LEDs located on left side of the FSD-808HP front panel indicates "PoE Power Usage". One LED indicates the total power output of ports 1-4 and the other LED shows the total power output of ports 5-8. When the PoE output is over 80% in ports 1-4 or 5-8, the LED Lights Up, when PoE output is over 95% in ports 1-4 or 5-8, the LED will Blink to alert customers for the need of better PoE allocation.

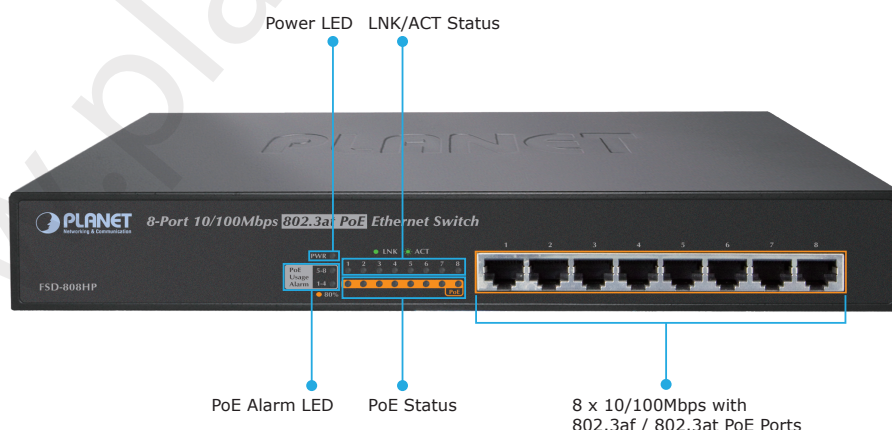


Energy-Saving Design

The FSD-808HP utilizes a new engine that incorporates **Idle Mode Link Down power saving** technology. The Idle mode Link Down power saving feature 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 idle.

Easy Installation

With data transfer and its High Power PoE function, the FSD-808HP reduces the need for extension cables and dedicated electrical outlets that are hard to reach or absent. The device helps to lower installation costs and simplifies installation.

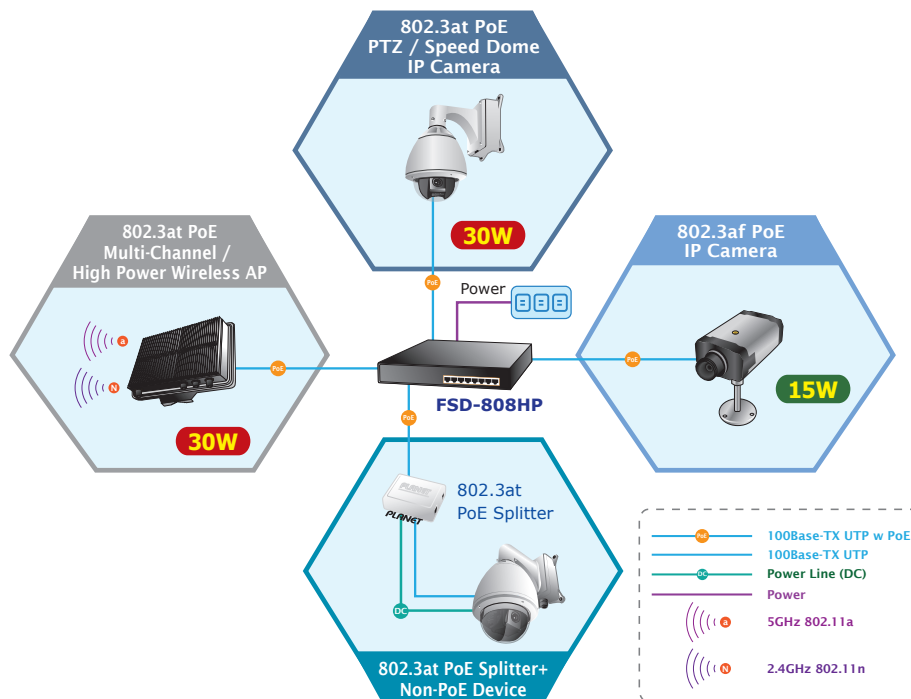


All RJ-45 copper interfaces in the FSD-808HP support 10/100Mbps Auto-Negotiation for optimal speed detection through RJ-45 Category 6, 5 or 5e cables. The device also supports standard Auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover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

Application

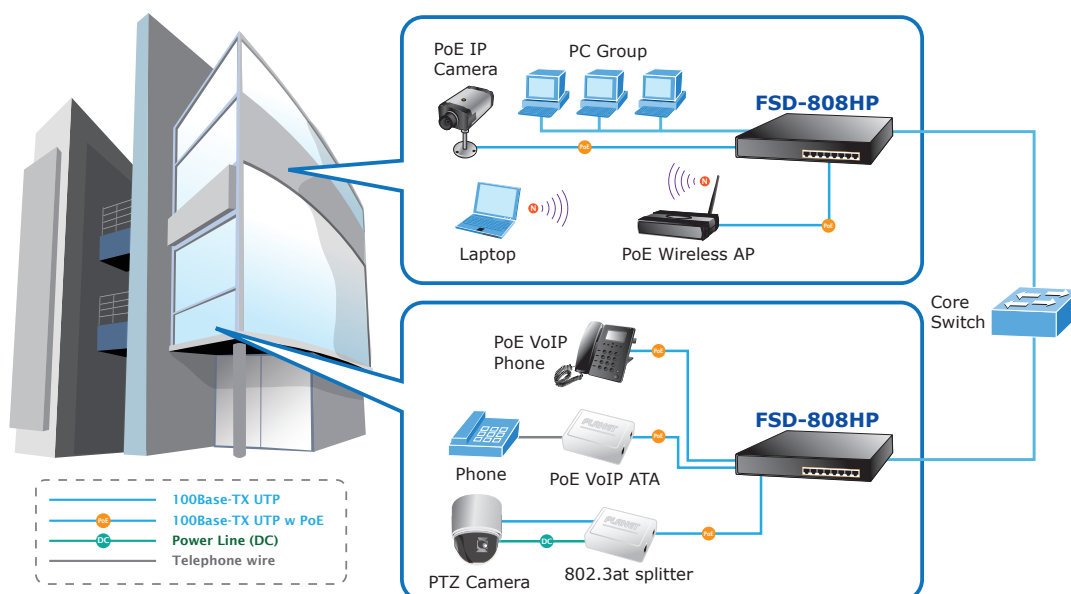
High-Power PoE Application

PLANET's FSD-808HP is an ideal solution for IEEE 802.3af and High Power IEEE 802.3at Power over Ethernet (PoE) applications. Its PoE power budget of 140 Watts delivers data and power via one Cat. 5E / 6 Ethernet cable. It is specifically designed to satisfy the growing demand for higher power consuming network PD's (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 the PoE power than conventional 802.3af PoE compliant devices.



Flexible VoIP Deployment in IP Office

PLANET's FSD-808HP PoE Switch helps enterprises efficiently create an integrated data, voice, and powered VoIP network. As businesses expand, adding additional telephones via the implementation of PoE IP Telephony system costs less than installing a traditional circuit wiring telephony system. PLANET's IEEE 802.3af compliant IP Phones can be installed without additional power sources because it can be powered via the standard Ethernet cable connected to the FSD-808HP. The FSD-808HP makes IP Telephony deployment reliable and cost effective, helping enterprises save on costs when upgrading from a traditional telephony system to an IP Telephony communications infrastructure.



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
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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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FSD-808HP

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