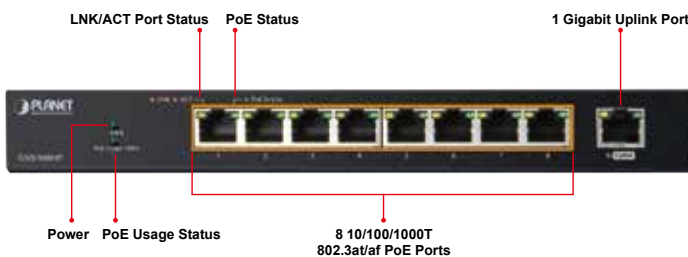


8-Port 10/100/1000T 802.3at PoE + 1-Port Gigabit Desktop Switch



Centralized Power Distribution for Ethernet Networking

The GSD-908HP, a new member in the PLANET 802.3af / 802.3at PoE Unmanaged Gigabit Ethernet Switch family, is an 8-port 10/100/1000T 802.3at Power over Ethernet + 1-port 10/100/1000T Desktop Switch with a total of 120 watts of PoE budget, which is an ideal solution to fulfilling the demand of sufficient PoE power for network applications with Gigabit Ethernet speed transmission. The eight 802.3af / 802.3at PoE Gigabit ports provide PoE power injector function which is able to drive 8 IEEE 802.3af compliant powered devices or 4 IEEE 802.3at compliant powered devices. The GSD-908HP also provides a simple, cost-effective and non-blocking Gigabit wire-speed performance. It comes with a metal compact housing, suitable for desktop deployment in SOHO office or department network application.



Perfectly Integrated Solution for PoE IP Camera and NVR System

Different from the general PoE Switch which usually comes with 12 or 24 PoE ports, the GSD-908HP provides eight 802.3af / 802.3at PoE Gigabit ports for catering to small scale of IP surveillance networks at a lower total cost. The GSD-908HP comes with high performance switch architecture and 120-watt PoE power budget. The recorded video files from 8 PoE IP cameras can be powered by the GSD-908HP and saved in the 8-channel NVR system or surveillance software to perform comprehensive security monitoring. For instance, one GSD-908HP can be combined with one 8-channel NVR and 8 PoE IP cameras as a kit for the administrators to centrally and efficiently manage the surveillance system in the local LAN and the remote site via Internet.

RJ-45 Interface

- Complies with IEEE 802.3, 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T
- 9-Port 10/100/1000Mbps Gigabit Ethernet Switch
- 8-Port supports 51V DC power to PoE Powered Device (Port 1 to port 8)

Power over Ethernet

- Complies with IEEE 802.3af / 802.3at Power over Ethernet End-Span PSE
- Up to 8 IEEE 802.3af devices powered
- Supports PoE Power up to 15.4 watts for each PoE port
- Up to 4 IEEE 802.3at devices powered
- Supports PoE Power up to 30 watts for each PoE port
- 120-watt PoE budget
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m

Switching

- Hardware based 10/100Mbps, half / full duplex and 1000Mbps full duplex mode, flow control and auto-negotiation and auto MDI/MDI-X
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- IEEE 802.3x flow control for full duplex operation and back pressure for half duplex operation
- Integrates address look-up engine, supporting 4K absolute MAC addresses
- 192 KB packet buffer
- 9K Jumbo frame supports at 1000Mbps duplex mode
- Automatic address learning and address aging
- Supports CSMA/CD protocol

Hardware

- Made of metal, desktop size and wall-mount design
- LED indicators for system power, PoE usage 100%, per port PoE In-Use (Port 1 to port 8), per port Link / Act (10/100/1000Mbps, port 1 to port 9).
- 51V DC, 2.5A external power adapter
- FCC, CE Class A compliant



Stable and High Performance Switch Architecture

The GSD-908HP has a 4K MAC address table, featuring high performance switch architecture capable of providing the non-blocking 18Gbps switch fabric and wire-speed throughput as high as 13.3Mpps, which greatly simplifies the tasks of upgrading the LAN for catering to increasing bandwidth demands. Besides, the 802.3x full-duplex flow control function of the GSD-908HP enables PD devices and servers to be directly connected to the switch for wire-speed packet transfer performance without the risk of packet loss.

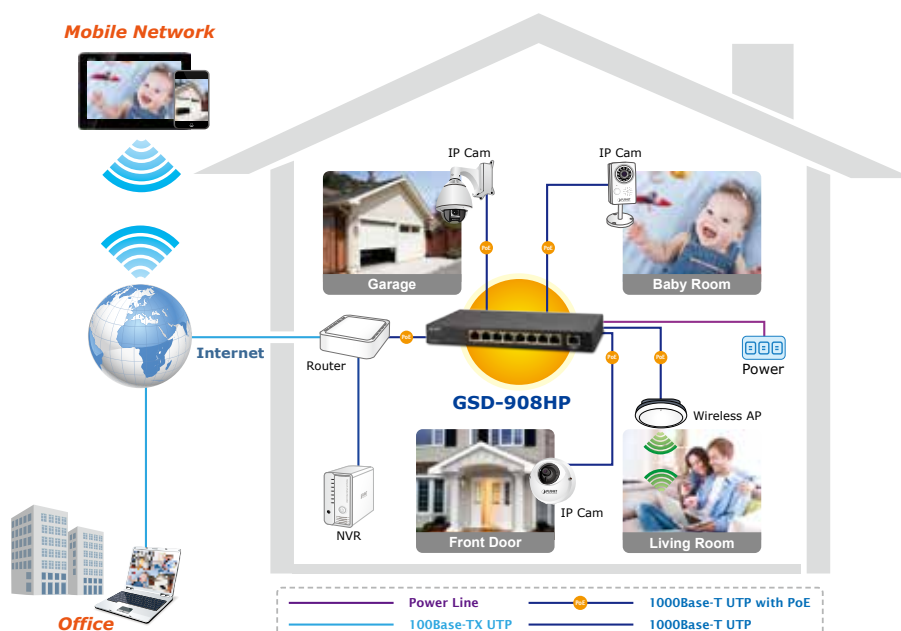
Easy Cable Connection

With data and power over Ethernet from one unit, the GSD-908HP reduces cabling requirements and eliminates the need for dedicated electrical outlets on the wall, ceiling or any unreachable place. A wire that carries both data and power can lower the installation costs, simplify the installation effort and eliminate the need for electricians or extension cords. Providing 8 PoE interfaces, the GSD-908HP is ideal for small businesses and workgroups requiring the PoE deployment of wireless access points, IP-based surveillance camera or IP phones in any places with ease, efficiency and cost-effectiveness.

Applications

SOHO / HOME-Use Gigabit Ethernet PoE Network Deployment

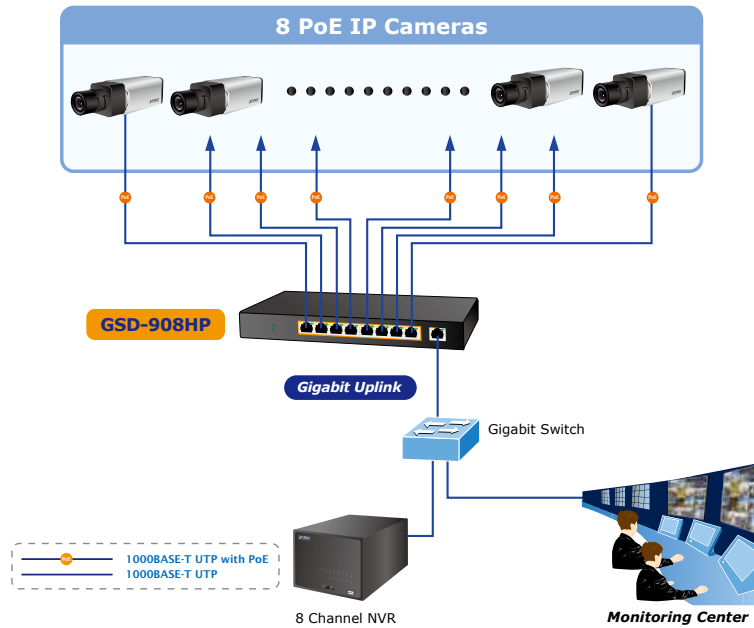
With its expanded home-use feature, the GSD-908HP 802.3at PoE+ Switch helps SOHO / home users to create an integrated data, video, and powered network. The wireless AP and PoE IP camera devices work perfectly with the GSD-908HP, which injects power through the Ethernet cables, thus helping SOHO / home users to build a cost-effective and reliable PoE networking environment easily.



Ideal Solution for Securing IP Surveillance Infrastructure

Particularly designed for the growing popular IP Surveillance applications, the GSD-908HP 802.3at PoE Switch is positioned as a Surveillance Switch for quick and easy PoE IP camera deployment with power feeding. The GSD-908HP provides both 802.3af and 802.3at PoE functions along with 8 10/100/1000Base-T ports featuring 15.4-watt 802.3af and 30-watt 802.3at PoE in RJ-45 copper interfaces and 1 extra Gigabit TP interface supporting high-speed transmission of surveillance images and videos. The PoE Usage LED indicator on the left-hand side of the GSD-908HP front panel will light up when PoE Power Usage exceeds the maximum 120-watt PoE budget of the GSD-908HP.

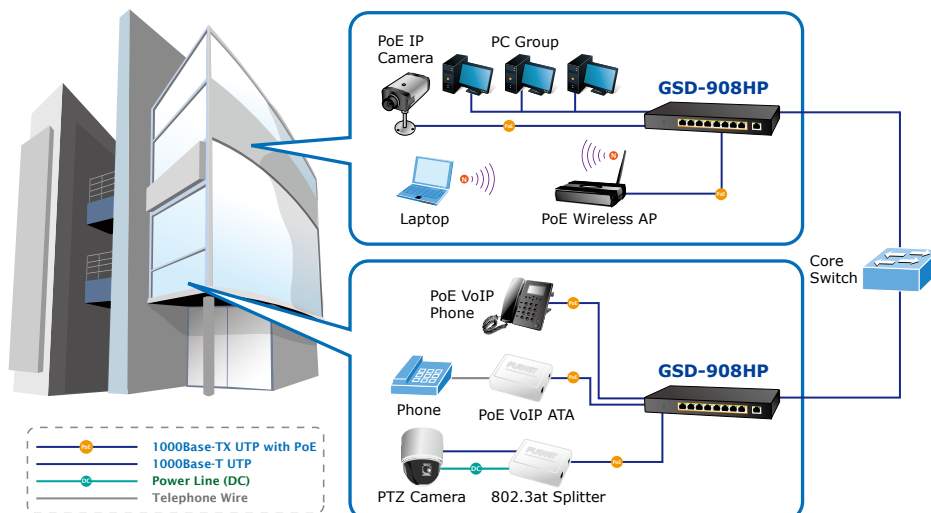
Perfect Combination 8-Port PoE Switch + 8-Ch NVR



IP Office Department / Workgroup PoE Switch

With the business office expansion, the additional telephones required could be installed at a much lesser cost via the implementation of PoE IP Telephony system than that of the traditional circuit wiring telephony system. The GSD-908HP PoE Ethernet Switch helps enterprises to create an integrated data, voice, and powered network. The IEEE 802.3af compliant IP phones can be installed without the need of an additional power cable because the power can be provided via the standard Ethernet cable from the connected GSD-908HP.

The Wireless AP group, PoE IP Phones and Analog Telephony Adapter work perfectly with the GSD-908HP which injects power through the Ethernet cables. With the GSD-908HP, 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.



Specifications

Product	GSD-908HP	
Hardware Specifications		
Network Connector	9-Port RJ-45 for 10/100/1000Base-T	
PoE Inject Port	8-Port with 802.3af / 802.3at PoE injector function	
LED Display	System: Power (Green), PoE Usage 100% (Green) Per PoE port: PoE (Green), port 1 to port 8 LNK/ACT (Orange), port 1 to port 9	
Switch Architecture	Store and forward	
MAC Address Table	4K MAC address table with auto learning function	
Data Buffer	192 KB	
Switch Fabric	18Gbps	
Switch Throughput	13.3Mpps@64Bytes	
Flow Control	Back pressure for half duplex. IEEE 802.3x pause frame for full duplex	
Power Requirements	DC 51V, 2.5A max.	
Power Consumption	120 watts / 409BTU	
Dimensions (W x D x H)	103 x 235 x 27 mm	
Weight	628g	
Power over Ethernet		
PoE Standard	IEEE 802.3af / 802.3at Power over Ethernet PSE	
PoE Power Supply Type	End-Span	
PoE Power Output	Per port 51V DC, 350mA. max. 15.4 watts Per port 51V DC, 600mA. max. 30 watts	
Power Pin Assignment	1/2(+), 3/6(-)	
PoE Power Budget	120 watts	
Max. Number of Class 2 PD	8	
Max. Number of Class 3 PD	8	
Max. Number of Class 4 PD	4	
Standard Conformance		
EMI Safety	FCC Class A, CE	
Standard Compliance	IEEE 802.3	Ethernet
	IEEE 802.3u	Fast Ethernet
	IEEE 802.3ab	Gigabit Ethernet
	IEEE 802.3x	Flow Control
	IEEE 802.3af	Power over Ethernet
IEEE 802.3at	High Power over Ethernet	
Environment		
Operating Environment	0 ~ 50 degrees C	
Storage Environment	-10 ~ 70 degrees C	
Operating Humidity	5 ~ 95%, relative humidity (non-condensing)	
Storage Humidity	5 ~ 95%, relative humidity (non-condensing)	

Ordering Information

GSD-908HP	8-Port 10/100/1000T 802.3at PoE + 1-Port Gigabit Desktop Switch
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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-4200V	Full HD 20M IR Vari-focal Dome IP Camera
ICA-4500V	5 Mega-pixel 20M IR Vari-focal Dome IP Camera
ICA-5250	Full HD Ultra-mini Vandal Dome
ICA-5350V	3 Mega-pixel Vandalproof IR 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
POE-162S	IEEE 802.3at Gigabit High Power over Ethernet Splitter
POE-E201	IEEE 802.3at Power over Ethernet Extender
WNAP-C3220	802.11n Wireless Ceiling-mount PoE Access Point
WDAP-C7400	900Mbps Dual Band Ceiling-mount Wireless Access Point
WDAP-C7200AC	1200Mbps 802.11ac Dual Band Ceiling-mount Wireless Access Point
VIP-256PT	802.3af PoE SIP IP Phone
VIP-2020PT	Enterprise HD PoE IP Phone (2-Line)
VIP-5060PT	Professional HD PoE IP Phone (6-Line)

2015-06

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