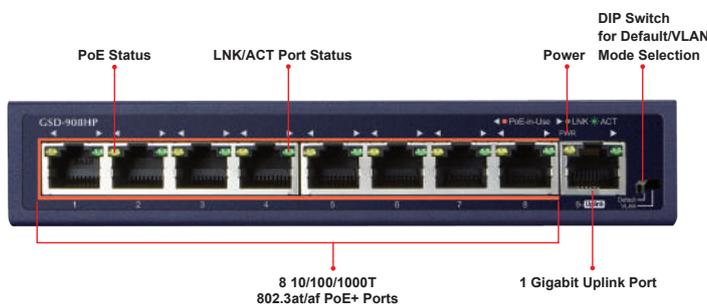


8-Port 10/100/1000T 802.3at PoE + 1-Port Gigabit Desktop Switch



Centralized Power Distribution for Ethernet Networking

PLANET GSD-908HP **8-port 10/100/1000T 802.3at Power over Ethernet Plus + 1-port 10/100/1000T Desktop Switch** comes with a total PoE budget of 100 watts, which is an ideal solution to fulfill the demand of network applications with Gigabit Ethernet speed transmission for more PoE power. Its eight 802.3af/802.3at PoE+ Gigabit ports provide PoE power injector function which is able to drive 6 IEEE 802.3af compliant powered devices or 3 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 IP surveillance networks at a lower total cost. The GSD-908HP comes with a high-performance switch architecture and 100-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.



8-Port PoE Switch + 8-Channel NVR

Physical Port

- **9-port 10/100/1000BASE-T** Gigabit RJ45 copper

Power over Ethernet

- Complies with IEEE 802.3at Power over Ethernet Plus
- Complies with IEEE 802.3af Power over Ethernet
- Up to 8 ports of IEEE 802.3af/802.3at devices powered
- Supports PoE Power up to 30.8 watts for each PoE port
- Each port supports 55V DC power to PoE powered device
- 100-watt PoE budget
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m

Switching

- Hardware-based 10/100/1000Mbps 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 4K absolute MAC addresses
- 9K jumbo frame supports all speeds (10/100/1000Mbps)
- IEEE 802.1Q VLAN transparency
- Automatic address learning and address aging
- Solid DIP switch to isolate ports to prevent broadcast storm and defend DHCP spoofing

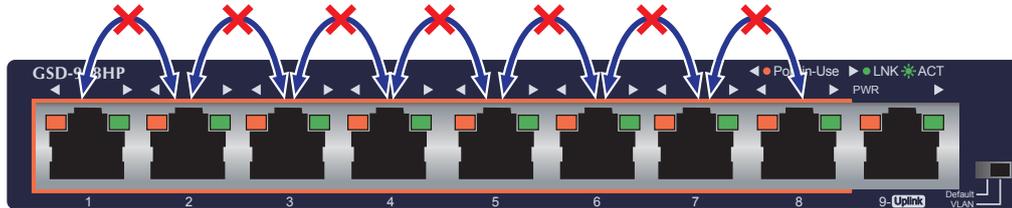
Hardware

- Made of metal, desktop size and wall-mount design
- LED indicators for system power, per port PoE-in-Use (Port 1 to port 8), per port Link/Act (10/100/1000Mbps, port 1 to port 9).
- 55V DC, 2A external power adapter
- FCC, CE Class A compliant

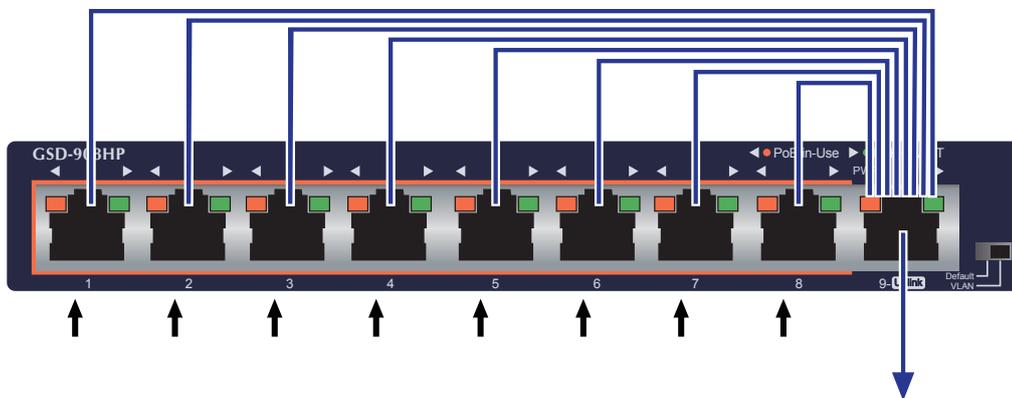
Innovative Port-based VLAN Isolated Feature

The GSD-908HP features “VLAN” function whose ports can be isolated from each other via one DIP switch. This can help to prevent the IP camera’s multicast or broadcast storm from influencing each other.

Port Isolation



Port-based VLAN



Stable and High Performance Switch Architecture

The GSD-908HP has a 4K MAC address table and provides 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.

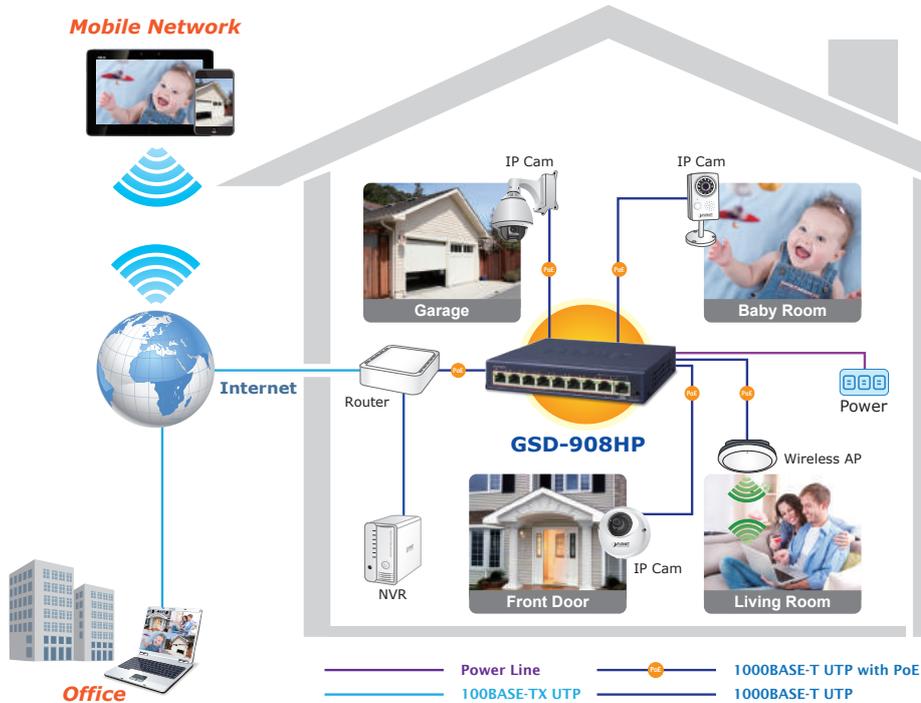
Easy Cable Connection

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 eight 802.3af/802.3at PoE+ interfaces, the GSD-908HP is ideal for small businesses and workgroups requiring the PoE deployment of wireless access points, IP-based surveillance cameras or IP phones in any places with ease, efficiency and cost-effectiveness.

Applications

SOHO/HOME-Use Gigabit Ethernet PoE Network Deployment

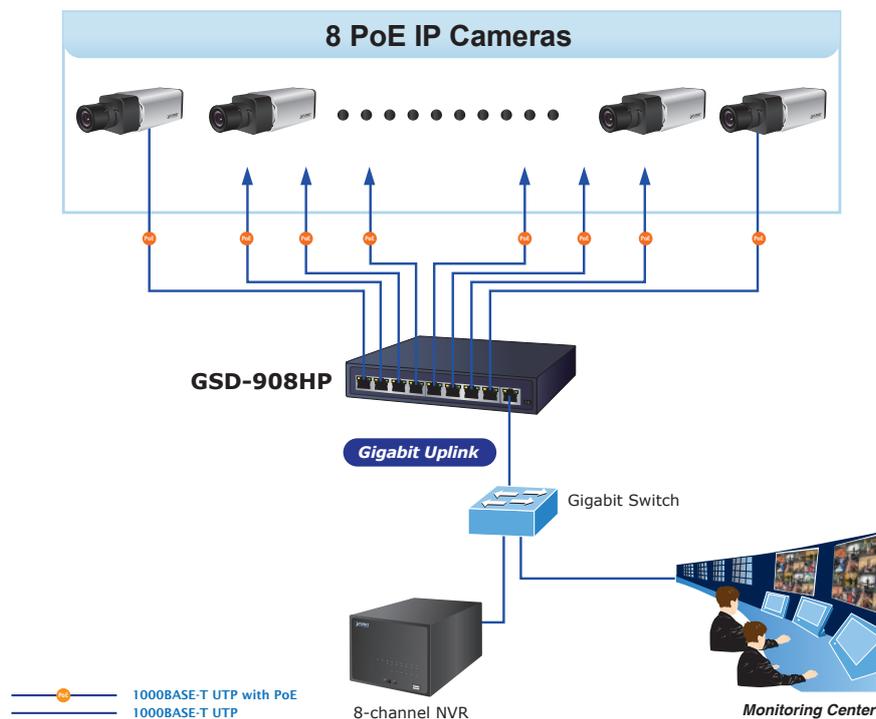
With its expanded home-use feature, the GSD-908HP 802.3af/802.3at PoE+ Switch helps SOHO/home users to create an integrated data, video, and powered network. The wireless AP and PoE IP camera devices work perfectly with the GSD-908HP, which injects power through the Ethernet cables, thus helping SOHO/home 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 802.3af/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 RJ45 copper interfaces and 1 extra Gigabit TP interface supporting high-speed transmission of surveillance images and videos.

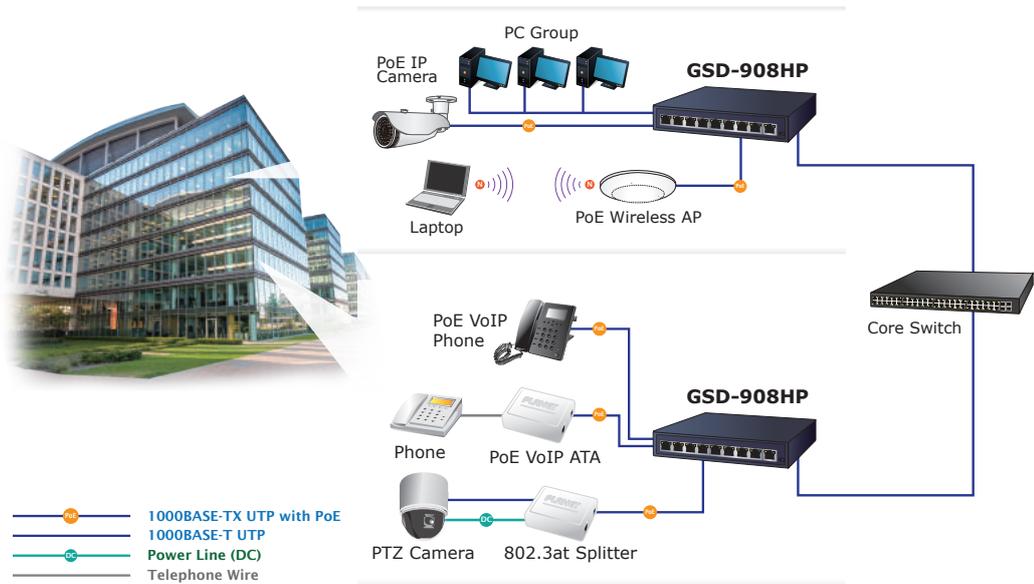
Perfect Combination of 8-Port PoE Switch + 8-Ch NVR



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

Model	GSD-908HP
Hardware Specifications	
10/100/1000BASE-T Copper Ports	9 auto-MDI/MDI-X ports
802.3af/802.3at PoE+ Injector Port	8
Switch Architecture	Store-and-Forward
Switch Fabric	18Gbps/non-blocking
Switch Throughput@64bytes	13.3Mpps
MAC Address Table	4K entries
Jumbo Frame	9216 bytes
Flow Control	IEEE 802.3x pause frame for full duplex; back pressure for half duplex
LED	System: Power (Amber) 10/100/1000T RJ45 Interfaces PoE-in-Use (Amber) 10/100/1000 LNK / ACT (Green)
DIP Switch	<ul style="list-style-type: none"> ■ Default mode for switch architecture ■ VLAN mode for Port-based VLAN
Dimensions (W x D x H)	168 x 94 x 32 mm
Enclosure	Metal
Weight	419g
Power Requirements	55V DC, 2A
Power Consumption/Dissipation	Max. 100 watts / 341BTU
Power over Ethernet	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE
PoE Power Supply Type	End-span: 1/2 (+), 3/6 (-)
PoE Power Output	Per port 55V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per port 55V DC, 600mA. max. 30 watts (IEEE 802.3at)
PoE Power Budget	100 watts
Number of PDs, 7 watts	8
Number of PDs, 15.4 watts	6
Number of PDs, 30 watts	3
Standards Conformance	
Regulatory Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab Gigabit 1000BASE-T IEEE 802.3x flow control and back pressure IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus
Environment	
Operating	Temperature: 0 ~ 50 degrees C Relative Humidity: 5 ~ 95% (non-condensing)
Storage	Temperature: -10 ~ 70 degrees C Relative Humidity: 5 ~ 95% (non-condensing)

Ordering Information

GSD-908HP	8-Port 10/100/1000T 802.3at PoE + 1-Port Gigabit Desktop Switch
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Related PoE Products

ICA-3250	1080p IR Bullet PoE IP Camera
ICA-4250	1080p IR Dome PoE IP Camera
ICA-M4320P	3 Mega-pixel IR IP Camera
ICA-HM620	2 Mega-pixel PoE Plus Speed Dome Internet Camera
ICA-E3550V	5 Mega-pixel Bullet IR PoE IP Camera
ICA-E5550V	5 Mega-pixel Vandalproof IR PoE IP Camera
ICA-E8550	5 Mega-pixel Outdoor IR PoE Fisheye IP Camera
ICA-E6260	2 Mega-pixel PoE Plus Speed Dome IP Camera
WNAP-W2200UE	300Mbps 802.11n In-Wall Wireless Access Point
WDAP-C7200E	1200Mbps 802.11ac Dual Band Ceiling-mount Wireless Access Point
WDAP-1750AC	1750Mbps 802.11ac Dual Band Wall Mount Wireless Access Point
WNAP-C3220E	300Mbps 802.11n Wireless Ceiling-mount Access Point
WBS-202N	2.4GHz 802.11n 300Mbps Outdoor Wireless CPE (Built-in 14dBi Antenna)
WBS-502N	5GHz 802.11a/n 300Mbps Outdoor Wireless CPE (Built-in 15dBi Antenna)
WDAP-802AC	1200Mbps Dual Band 802.11ac Outdoor Wireless AP
WDAP-8350	600Mbps Dual Band 802.11n Outdoor Wireless CPE
WAP-252N	2.4GHz 300Mbps 802.11n Outdoor Wireless AP
WAP-552N	5GHz 300Mbps 802.11n Outdoor Wireless AP
VIP-1120PT	High Definition Color PoE IP Phone
VIP-2140PT	High Definition Color PoE IP Phone with Dual Display
ICF-1800	HD Touch Screen Android Multimedia Conferencing Phone
VTS-700P	7-inch SIP Indoor Touch Screen PoE Video Intercom
HDP-1100PT	720p SIP Door Phone with PoE
HDP-5240PT	720p SIP Multi-unit Door Phone with RFID and PoE
HDP-5260PT	720p SIP Multi-unit Apartment Vandalproof Door Phone with RFID and PoE
VPA-100	SIP Public Announcement Adapter with PoE
VIP-156PE	SIP Telephone Adapter (1 x LAN, 1 x PC, 1 x RJ11, 802.3af PoE)
POE-161S	IEEE 802.3at Gigabit Power over Ethernet Plus Splitter with 5V/12VDC output (10/100/1000Mbps)
POE-162S	IEEE 802.3at Gigabit Power over Ethernet Plus Splitter with 12V/24VDC output (10/100/1000Mbps)
IPOE-162S	Industrial 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 Gigabit Ethernet Extender
POE-E202	1-port 802.3at PoE+ to 2-port 802.3af/at Gigabit PoE Extender
IPOE-E202	Industrial 1-Port 802.3at PoE+ to 2-Port 802.3af PoE Extender
LRP-101C-KIT	1-Port Long Reach PoE over coax Extender Kit (LRP-101CH + LRP-101CE)
LRP-101U-KIT	1-Port Long Reach PoE over UTP Extender Kit (LRP-101UH + LRP-101UE)