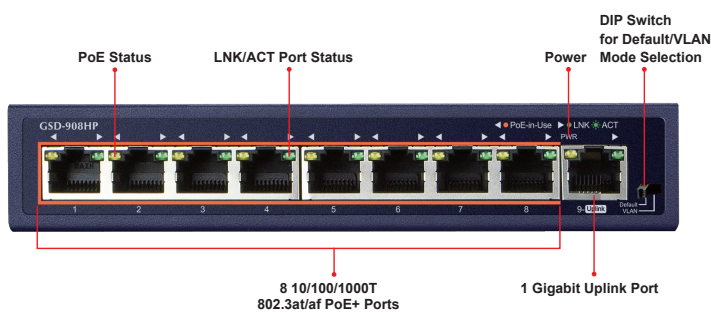# 8-Port 10/100/1000T 802.3at PoE + 1-Port Gigabit Desktop Switch

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 Gigabit switch 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.

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 54V 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 2K 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
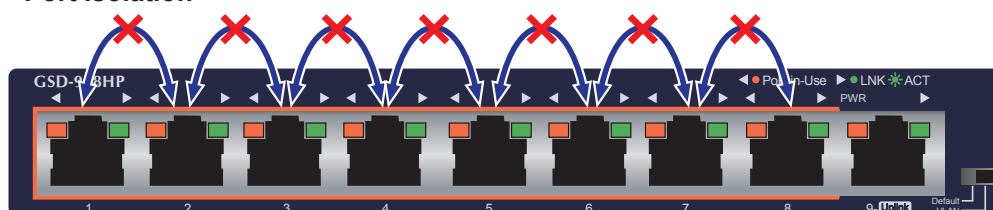
Hardware

• 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
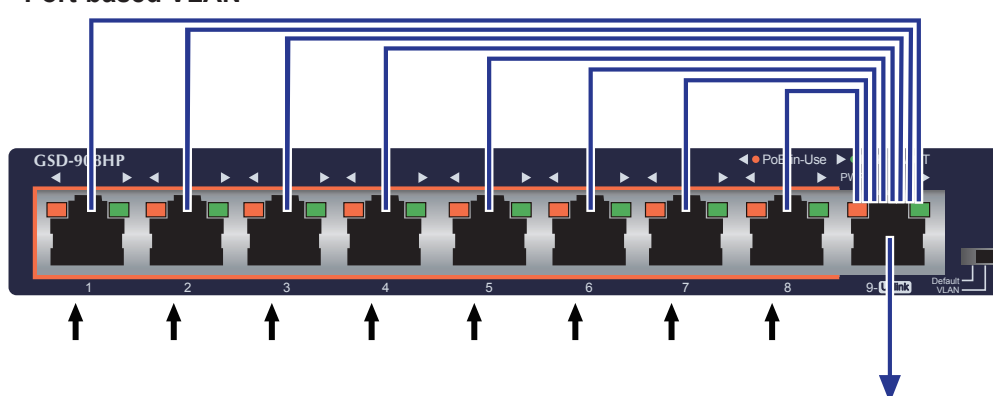
• FCC, CE Class A compliant

8-Port PoE Switch + 8-Channel NVR

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 2K MAC address table and provides the 18Gbps switch fabric and 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 packet transfer performance without the risk of packet loss.
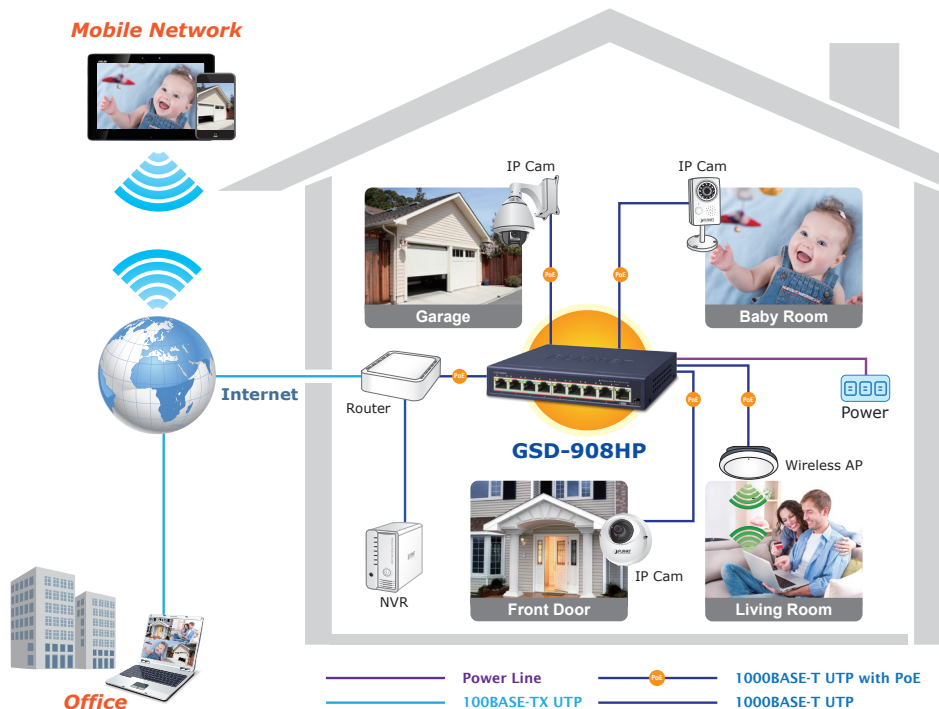
Easy Cable Connection

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