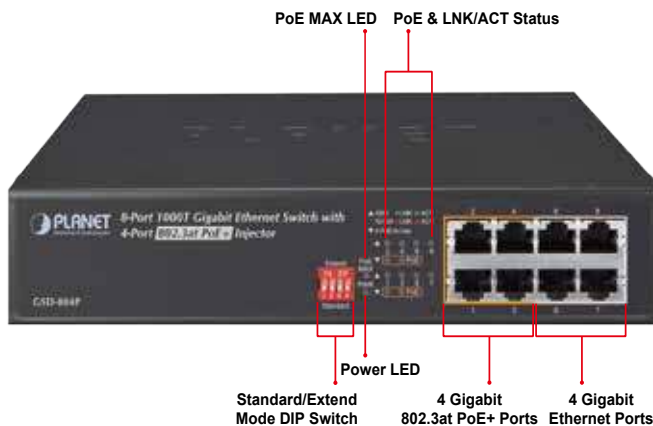


# 8-Port 10/100/1000T Gigabit Ethernet Switch with 4-Port 802.3at PoE+ Injector Function



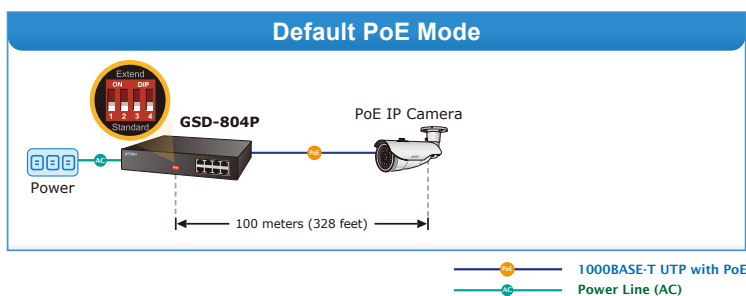
## Ideal, High-performance Integration Solution for Small Secure IP Surveillance Infrastructure

PLANET GSD-804P is equipped with **eight 10/100/1000BASE-T** ports, four of which are **802.3at PoE+** copper interfaces. With a total PoE power budget of up to 60 watts and non-blocking data switching performance, the GSD-804P fulfills the demand of sufficient PoE power for HD IP surveillance. It comes with a 9-inch desktop-sized metal housing and reliable PoE power solution suitable for SOHOs, small businesses and system integrators for deploying Power over Ethernet networks.



## Extension of Ethernet Data Transmission Distance

The built-in solid DIP switch provides “**Standard**” and “**Extend**” operation modes. The GSD-804P operates as a normal IEEE 802.3af/at PoE Switch in the “**Standard**” operation mode.



## Physical Port

- **4 10/100/1000BASE-T** Gigabit Ethernet RJ45 copper ports with IEEE 802.3at PoE+ Injector function (Port-1 to Port-4)
- **4 10/100/1000BASE-T** Gigabit Ethernet RJ45 copper

## Power over Ethernet

- Complies with IEEE 802.3af/at Power over Ethernet end-span PSE
- Up to 4 ports of IEEE 802.3af/at devices powered
- Supports PoE Power up to 30.8 watts for each PoE port
- Each port supports 55V DC power to PoE powered device
- 60-watt PoE budget
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m in standard mode, 250m in extend mode

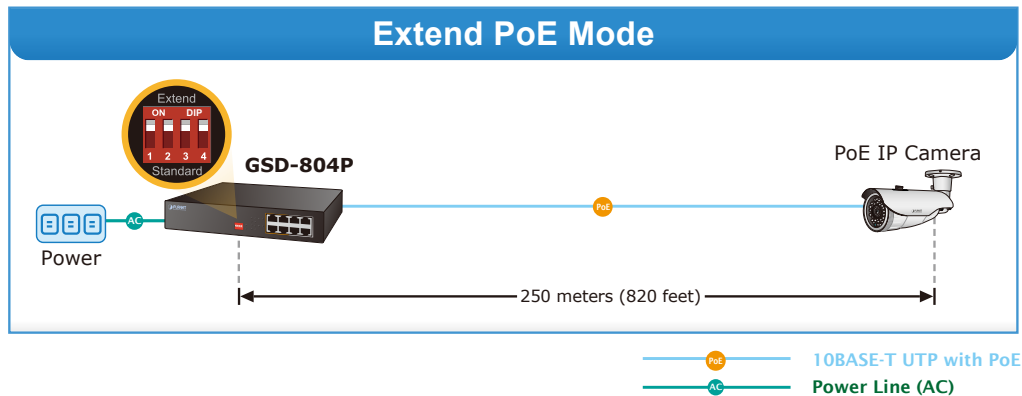
## Switching

- 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
- 4K MAC address table size
- 9K jumbo frame
- IEEE 802.1Q VLAN transparency
- Hardware-based DIP switch for “**Standard**” and “**Extend**” mode selection; the “**Extend**” mode features 25-watt PoE transmission distance of 250m at speed of 10Mbps (Port-1 to Port-4)

## Hardware

- 9-inch desktop size, 1U height, rack mountable
- LED indicators for system power, PoE Max, per port PoE ready and PoE activity, speed, Link/Act
- Fanless design
- Supports Energy-Efficient Ethernet (EEE) function (IEEE 802.3az)
- Supports 4000VDC Ethernet ESD protection

In the **"Extend"** operation mode, the GSD-804P operates on a per-port basis at 10Mbps duplex operation but can support 25-watt PoE power output over a distance of up to 250 meters overcoming the 100m limit on Ethernet UTP cable. With this brand-new feature, the GSD-804P provides an additional solution for 802.3af/at PoE distance extension, thus saving the cost of Ethernet cable installation.

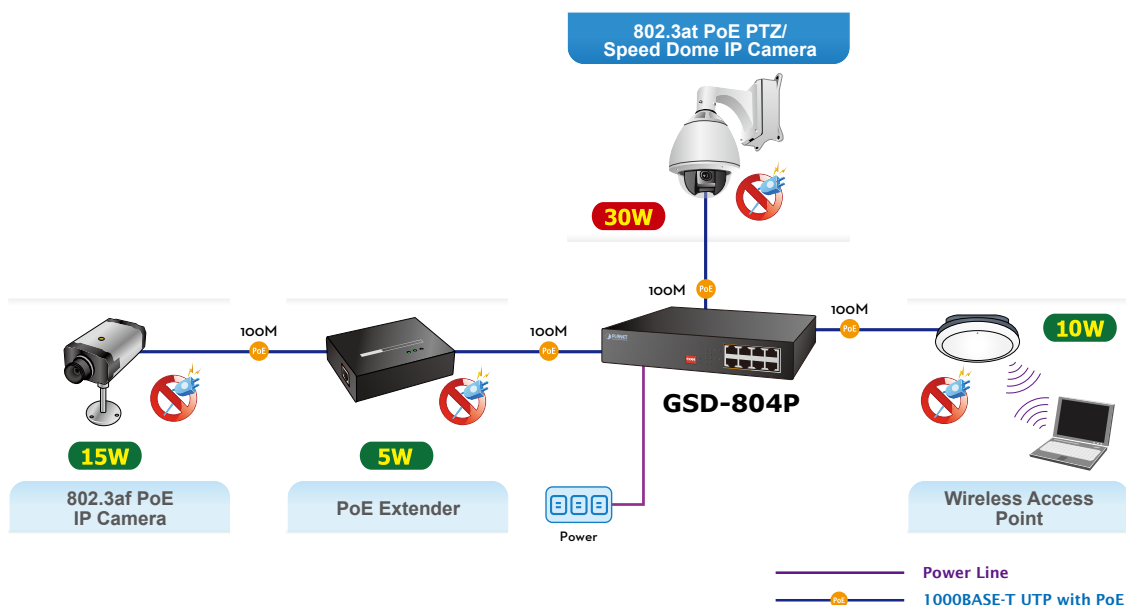


#### Environment-friendly, Fanless Design for Silent Operation

The GSD-804P comes with a desktop-sized, compact metal housing, making the placement of the unit convenient. It features a ventilated construction in which a cooling fan is not necessary, thereby making its operation noiseless. Moreover, the GSD-804P is able to operate reliably and stably in any environment without affecting its performance. The deployment of PoE PDs with constant power feeding can be easily and quickly done.

#### Easy Cable Connection

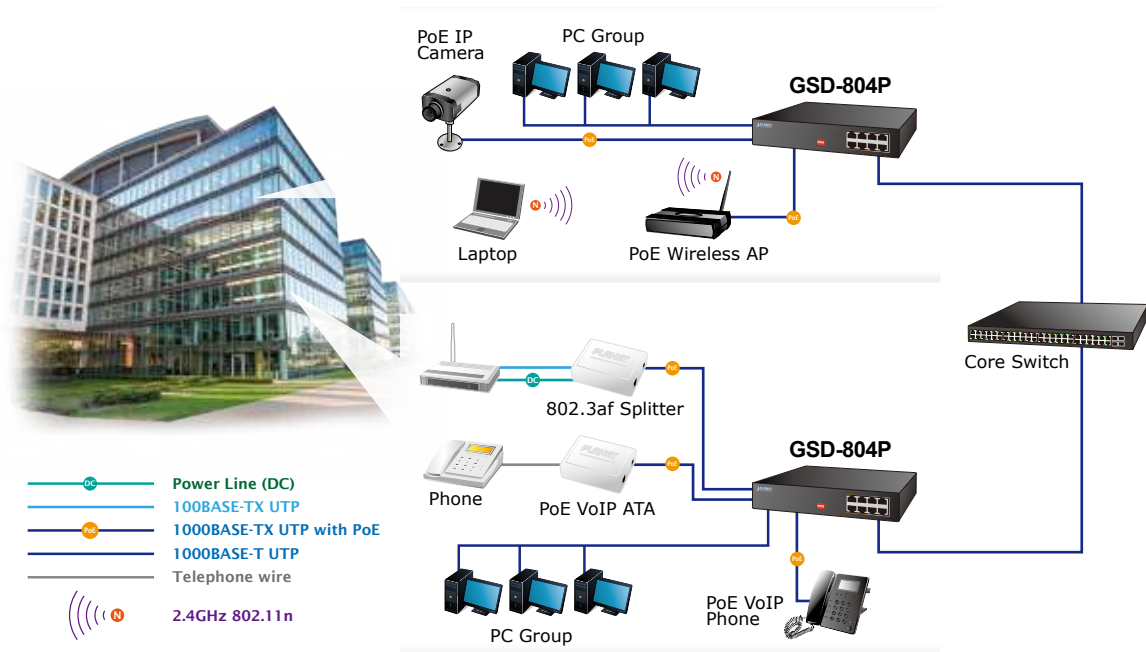
With data switching and power over Ethernet integrated into one unit, the GSD-804P reduces cabling requirements and eliminates the need for dedicated electrical outlets on the wall, ceiling or any unreachable place. A wire that carries both data and power can lower the installation costs, simplify the installation effort and eliminate the need for electricians or extension cords. With 4 PoE interfaces, the GSD-804P is ideal for small businesses and workgroups making the deployment of the PoE facility including wireless access points, IP-based surveillance camera and IP phones in any places easier, more efficient and more cost-effective.



## Applications

### Department/Workgroup PoE Switch

Providing four 802.3at PoE+ in-line power interfaces, the GSD-804P can easily build a power source that centrally controls the enterprises' IP phone systems, IP camera systems and wireless AP systems. For instance, up to 4 cameras can be installed around the corner in the company for surveillance demands or up to 4 wireless APs can be built to have a wireless roaming environment in the office. Without the power-socket limitation, the GSD-804P makes the installation of cameras or wireless APs easier and more efficient.



## Specifications

Model	GSD-804P
<b>Hardware Specifications</b>	
Hardware Version	3
10/100/1000BASE-T MDI/MDIX Ports	8
PoE Injector Port	4 ports with 802.3af/at PoE injector function with Port-1 to Port-4
Switch Architecture	Store-and-Forward
Switch Fabric	16Gbps/non-blocking
Switch Throughput@64 bytes	11.9Mpps@64 bytes
MAC Address Table	4K entries, automatic source address learning and aging
Jumbo Frame	9K bytes
Flow Control	IEEE 802.3x pause frame for full-duplex Back pressure for half-duplex
LED Indicators	<b>System:</b> Power (Green) PoE max. (Green) <b>10/100/1000BASE-T RJ45 Interfaces:</b> 10/100Mbps LNK/ACT (Red) 1000Mbps LNK/ACT (Green) <b>PoE Interfaces:</b> PoE-in-Use (Amber)
ESD Protection	4KV DC
DIP Switch	Selectable operation mode ■ Standard: IEEE 802.3af/at PoE transmission distance of 100m ■ Extend: 25-watt PoE transmission distance of 250m at speed of 10Mbps

Dimensions (W x D x H)	220 x 150 x 43 mm (1U height)
Enclosure	Metal
Weight	1120g
Power Requirements	AC 100~240V, 50/60Hz, 2.5A max.
Power Consumption/Dissipation	Max. 74 watts/252 BTU
Thermal Fan	Fanless
<b>Power over Ethernet</b>	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE
PoE Power Supply Type	End-span
PoE Power Output	Per port 55V DC, 560mA. max. 30.8 watts
Power Pin Assignment	1/2 (+), 3/6 (-)
PoE Power Budget	60 watts
Max. Number of Class 2 PDs	4
Max. Number of Class 3 PDs	4
Max. Number of Class 4 PDs	2
<b>Standards Conformance</b>	
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 IEEE 802.3az Energy Efficient Ethernet (EEE)
<b>Environment</b>	
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-804P	8-Port 10/100/1000T Gigabit Ethernet Switch with 4-Port 802.3at PoE+ Injector Function
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## Related Products

ICA-E6260	2 Mega-pixel PoE Plus Speed Dome IP Camera with Extended Support
ICA-M3380P	H.265 3 Mega-pixel Bullet IR IP Camera with Remote Focus and Zoom
ICF-1800	HD Touch Screen Android Multimedia Conference Phone
WDAP-1750AC	1750Mbps 802.11ac Dual Band Wall-mount Enterprise Wireless Access Point

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GSD-804P