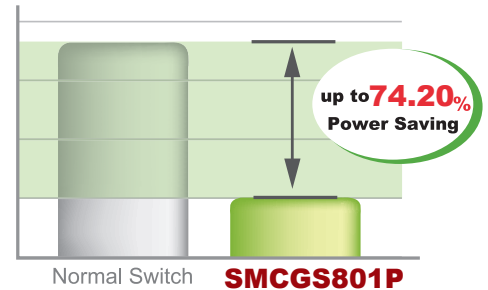


## SMCGS801P

### EZ Switch™ 10/100/1000 8-Port Gigabit Ethernet PoE Switch



**802.3az**  
Green Saving



#### Product Overview

SMC Network's SMCGS801P 8-port 10/100/1000 Mbps desktop PoE switch provides seamless network connections, integrating 1000 Mbps Gigabit Ethernet and 10/100 Mbps Ethernet network capabilities. The PoE ports can automatically detect and supply power to IEEE 802.3af/at-compliant Powered Devices (PDs). The electrical power is transmitted along with data in one single cable allowing you to expand your network where there are no power lines or outlets, to where you need to install devices such as APs, IP cameras, or IP phones etc.

The SMCGS801P is easy to install and requires no configuration. With outstanding performance and quality, the 8-port 10/100/1000 Mbps desktop PoE switch is an ideal choice for expanding your home or office network.

#### Key Features and Benefits

##### PoE Features

The SMCGS801P provides power to attached devices, such as VoIP phones, wireless access points, surveillance cameras etc, all over existing Cat. 5 cables. The switch can provide 8/15.4/30 Watts through each port depending on device needs. The total PoE power budget for the switch is 105W. If attached devices draw over 105W, the switch provides a network function only. When using the PoE function, port LEDs indicate PoE power. The switch eliminates the need for individual power sources for devices in the network, saving on costs for power cables and avoiding power outlet availability issues.

##### IEEE 802.3az Energy-Efficient Ethernet Support

When two 802.3az-compliant switches are connected, up to 74.20%\* of power consumption can be saved.

##### Fanless Design

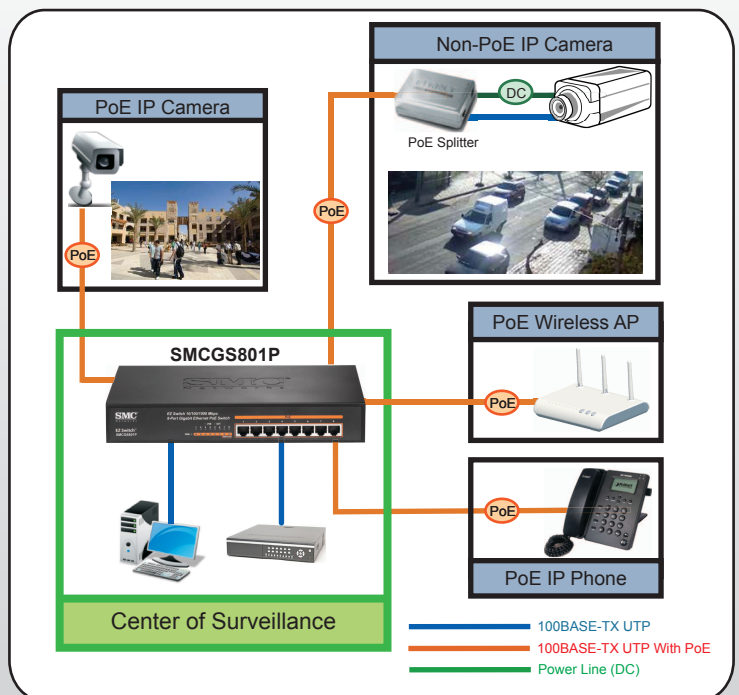
The SMCGS801P's simple design does not include any cooling fans, enabling the unit to run completely silently and reliably in whatever location it is installed.

##### Support for Quality of Service

When the switch receives a frame tagged with an 802.1p priority tag, it is placed in the appropriate priority queue. Priority queuing is useful in environments where time-sensitive data, such as voice and video, are streamed across the network.

##### Auto MDI/MDI-X on Each Port

Support for Auto-MDIX means that no cross-over cables are required. Straight-through cables can be used for all connections.



## Features

### Physical Ports

- 8 10/100/1000BASE-T RJ-45 PoE ports

### Ethernet Standard

- 10BASE-T (IEEE 802.3)
- 100BASE-TX (IEEE 802.3u)
- 1000BASE-T (IEEE 802.3ab)
- Flow Control (IEEE 802.3x)

### Features

- IEEE 802.3x Flow Control
- Auto MDI/MDI-X
- Supports auto-negotiation of speed (10/100 Mbps) and duplex mode (half/full)
- Wire-speed packet filtering and forwarding rate
- Store-and-forward architecture filters fragment & CRC error packets

### PoE Feature

- Support IEEE 802.3af/802.3at
- Support Power to PD: 30W
- Total PoE budget: 105W (Total Power: 130W)
- PoE Ports: 8 (ports 1-8)

### Switching Database

- 8K MAC address entries

### Memory Buffer

- 1M Bits (128K Bytes)/Device

### Switching Capacity

- 16 Gbps

### Throughput

- 12 Mpps

### LED

- System: Power
- Port: Link/Activity

### Power Supply

- AC Input: 100~240V, 50/60Hz
- DC Output: 50VDC, 2.5A

### Mechanical

- Dimensions (W x D x H): 280 x 179 x 44.5 mm (11.0 x 7.05 x 1.75 in)
- Weight: 1734g (3.83lbs)

### Electromagnetic Compatibility

- CE Class A
- FCC Class A

### Immunity

- EN 55024:2010
- IEC 61000-4-2:2008
- IEC 61000-4-3:2006+A1:2007+A2:2010
- IEC 61000-4-4:2010
- IEC 61000-4-5:2005
- IEC 61000-4-6:2008
- IEC 61000-4-8:2009
- IEC 61000-4-11:2004

### Emissions

- EN 55022:2010 AS/NZS CISPR 22:2009, Class A
- EN 61000-3-2:2006+A1:2009+A2:2009
- EN 61000-3-3:2008

### Safety

- LVD (EN60950)

### Environmental Specification

- Operating: 0°C~50°C (32°F~122°F)
- Storage: -40°C to 70°C (-40°F to 158°F)

### Humidity

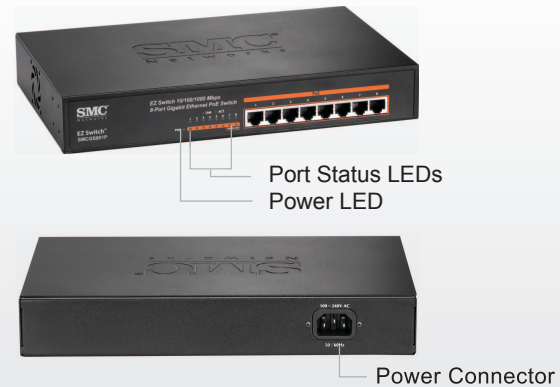
- Operating: 5%-90% Relative Humidity
- Storage: 10%-90% Relative Humidity

### Warranty

Please check [www.smc.com](http://www.smc.com) for the warranty terms in your country.

## Physical Connection

### SMCGS801P



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