

## SMCGS501P

### EZ Switch™ 10/100/1000 5-Port Gigabit Ethernet PoE Switch



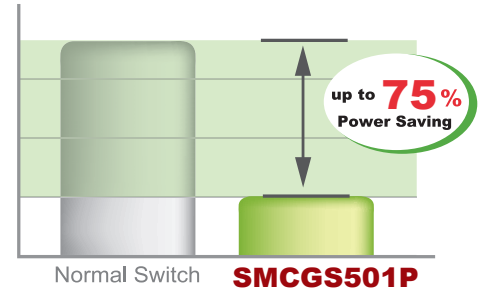
**IGMP Snooping**

**802.3az**

**Auto MDI/MDIX**

**802.3af  
802.3at**

**Green Saving**



#### Product Overview

SMC Networks' SMCGS501P 5-port 10/100/1000M desktop PoE switch provides seamless network connections, integrating 1000 Mbps Gigabit Ethernet and 10/100 Mbps Ethernet network capabilities. The PoE port can automatically detect and supply power to IEEE 802.3af/at-compliant Powered Devices (PDs). PoE electrical power is transmitted along with data in a single cable, allowing a network to expand where there are no power lines or outlets, to where you want to install devices such as APs, IP cameras, or IP phones etc. The SMCGS501P also supports IGMP snooping v1/v2 to enable smooth video streaming.

#### Key Features and Benefits

##### PoE Features

The SMCGS501P provides power to attached devices, such as VoIP phones, wireless access points, surveillance cameras etc, all over existing Cat. 5 cables. The switch provides one PoE port that supports up to 15.4/30 W (802.3af/at), depending on device needs. The total PoE power budget for the switch is 30 W. If attached devices draw over 30W, 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 75%\* of power consumption can be saved.

##### Fanless Design

The SMCGS501P's simple design does not include any cooling fans, enabling the unit to run completely silently and reliably in whatever location it is installed.

##### IGMP Snooping v1/v2

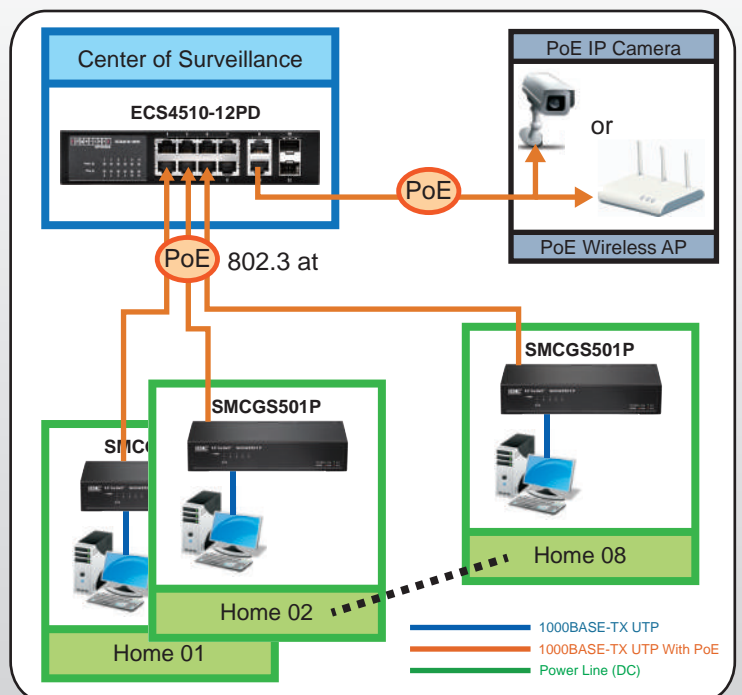
The switch supports IGMP snooping v1/v2 to enable smooth video streaming.

##### Plug-and-Play

The switch is completely plug and play; no configuration is necessary. The plug-and-play switch is an ideal choice for integrating Fast Ethernet and boosting LAN bandwidth for small to medium-sized workgroups.

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

Support for Auto-MDI/MDIX means that no crossover cables are required. Straight-through cables can be used for all connections.



## Features

### Physical Ports

- 5 10/100/1000BASE-TX RJ-45 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 (10/100/1000 Mbps) and duplex mode (half/full)
- Wire-speed packet filtering and forwarding rate
- Store-and-forward architecture filters fragment & CRC error packets
- IGMP snooping v1/v2

### PoE Feature

- Support IEEE 802.3af/802.3at
- Support Power to PD: 30 W
- Total PoE Budget: 30 W
- PoE Ports: 1 (Port 1)

### Switching Database

- 2K MAC address entries

### Memory Buffer

- 2K Bits per device

### Switching Capacity

- 10 Gbps

### Throughput

- 7.4 Mpps

### LED

- System: Power
- Port: Link/Act, PoE

### Power Supply

- AC Input: 100~240 V, 50/60 Hz
- DC Output: DC 51 V, 0.8 A

### Mechanical

- Dimensions (W x D x H): 140 x 77 x 27 mm (5.51 x 3.03 x 1.06 in)
- Weight: 256 g (0.56 lb)

### Electromagnetic Compatibility

- CE
- FCC

### Safety

- LVD (EN60950)

### Immunity

- EN55024
- IEC61000-4-2/3/4/5/6/8/11

### Emissions

- FCC Class A, EN55022/EN61000-3-2/3

### Environmental Specification

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

### Humidity

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

### Warranty

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

## Contact



### Edge-Core Networks Corporation

#### Worldwide Corporate and Sales Headquarters

No. 1 Creation Road III,  
Hsinchu Science Park,  
30077, Taiwan, R.O.C.

Tel: +886 3 5638888 Fax: +886 3 6686111

#### Singapore

15 Enggor Street  
#10-04, Realty Centre  
Singapore 079716

Tel: 65-63387667 Fax: 65-63387767

Check [www.smc-asia.com](http://www.smc-asia.com) or [www.smc.com](http://www.smc.com) for your local country contact information

**Connect Your World ...**

Switches | Wireless | Broadband | Home Security | Network Adapters

[www.smc.com](http://www.smc.com)

[www.smc-asia.com](http://www.smc-asia.com)