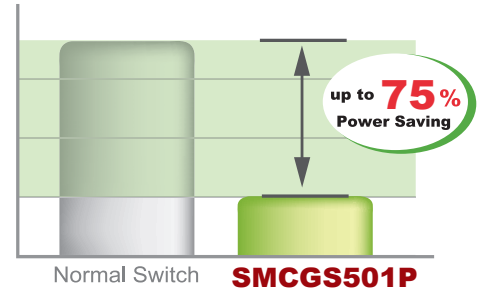


SMCGS501P

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



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

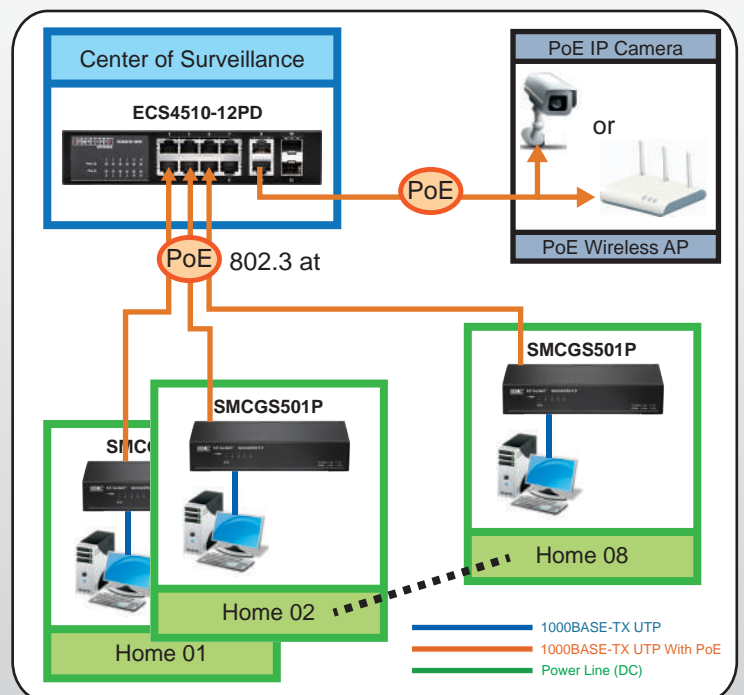
The switch supports IGMP snooping v1/v2 to enable smooth video streaming.

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 for the warranty terms in your country.

Contact



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