SMCGS801P
EZ Switch™ 10/100/1000 8-Port Gigabit Ethernet PoE Switch

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 can provide up to 30 Watts of power to attached devices, such as VoIP phones, wireless access points, surveillance cameras etc, all over existing Cat. 5 cables. The switch can deliver up to 30 Watts on 4 ports, or up to 15.4 Watts on all 8 ports. The total PoE power budget is 105W. 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
- DC power socket

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

SMCGS801P

Port Status LEDs
Power LED

Immunity
- EN 55024:2010
- IEC 61000-4-2:2008
- 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 61000-3-3:2008

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 for the warranty terms in your country.

Physical Connection

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
1 Coleman Street
#07-09, The Adelphi
Singapore 179803
Tel: 65-63387667 Fax: 65-63387767

Europe/Africa
C/Fructuós Gelabert 6-8 2º, 2º,
Edificio Conata II,
08970 Sant Joan Despi
Barcelona - Spain
Phone: +34 93 477 4920

Check www.smc-asia.com or www.smc.com for your local country contact information