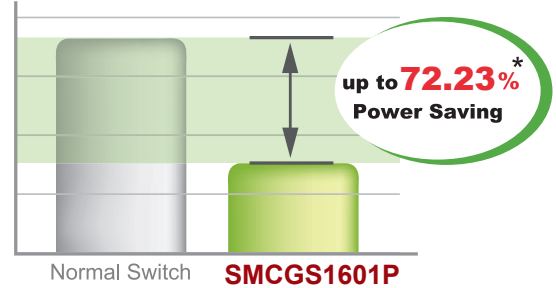


SMCGS1601P

EZ Switch™ 10/100/1000 16-Port Gigabit Ethernet PoE Switch



Product Overview

SMC Network's SMCGS1601P 16-port 10/100/1000 Mbps desktop PoE switch provides seamless network connections, integrating 1000 Mbps Gigabit Ethernet, 100 Mbps Fast Ethernet and 10 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 to where there are no power lines or outlets, to where you need to locate devices such as APs, IP cameras or IP phones, etc.

The SMCGS1601P is easy to install and requires no configuration. With its desktop design, outstanding performance and quality, the 16-port 10/100/1000 Mbps PoE switch is an ideal choice for expanding your home or office network.

Key Features and Benefits

PoE Features

The SMCGS1601P 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 provide 8/16/30 Watts through each port depending on device needs. The total PoE power budget for the switch is 200 W. If attached devices draw over 200 W, 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 72.23%* of power consumption can be saved.

Support for Jumbo Packets

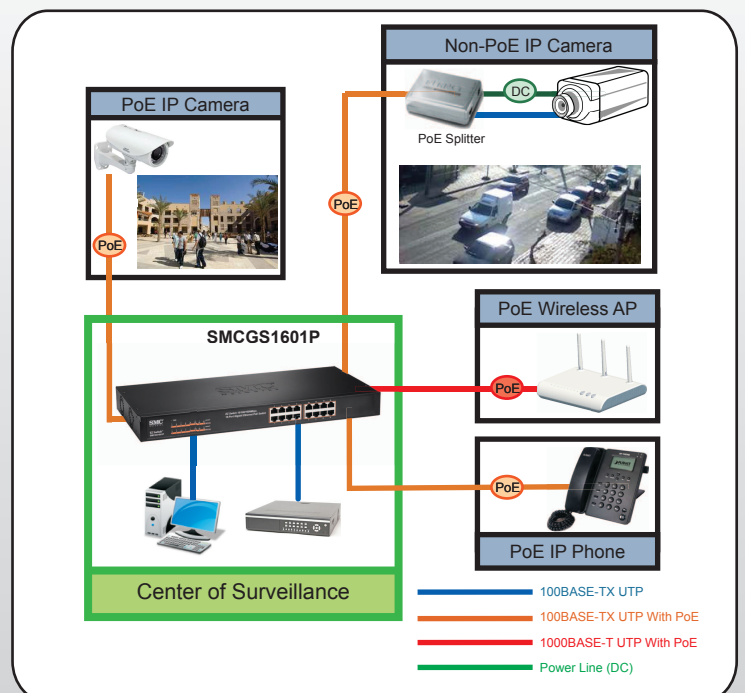
Support for Jumbo packets of up to 9K Bytes in size.

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 crossover cables are required. Straight-through cables can be used for all connections.



Features

Physical Ports

- 16 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: 200W (Total Power: 240W)
- PoE Ports: 16 ports (Port 1-16)

Switching Database

- 8K MAC address entries

Memory Buffer

- 2M Bits (256 Kbytes) /device

Switching Capacity

- 32 Gbps

Throughput

- 24 Mpps

Jumbo Frames

- 9216 Bytes

LED

- System: Power
- Port: Link/Activity

Power Supply

- AC Input: 100~240V, 50/60Hz
- DC Output: DC 50V, 4.5A

Mechanical

- Dimensions (W x D x H): 442 x 208 x 44 mm (17.5 x 8.1 x 1.77 in)
- Weight: 2.56 kg (5.65 lbs)

Electromagnetic Compatibility

- CE Class A
- FCC Class A

Immunity

- EN 55022
- EN 55024

Emissions

- EN 61000-3-2/3

Safety

- LVD (EN60950)

Environmental Specification

- Operating: 0°C~40°C (32°F~104°F)
- Storage: -40°C to 70°C (-40°F to 158°F)

Humidity

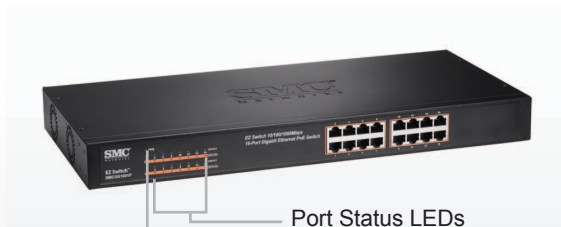
- Operating: 10%-90% relative humidity
- Storage: 10%-90% relative humidity

Warranty

Please check www.smc.com for the warranty terms in your country.

Physical Connection

SMCGS1601P



Contact



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