

SMCGS2401

EZ Switch™ 10/100/1000 Mbps

24-Port Unmanaged Gigabit Ethernet Switch

Product Overview

SMC introduces the latest Gigabit switch to the EZ Switch 10/100/1000 family – the SMCGS2401. This switch provides Gigabit Ethernet connectivity from the network backbone all the way to the edge and to individual desktops. With up to 10 times the speed of 100 Mbps networks, this switch reduces transfer times of large data files and boosts bandwidth-intensive applications, thereby significantly enhancing overall network performance. Jumbo frame support enables more efficient data transfers with data packets up to 9 KBytes in size. The SMC EZ Switch is easy to install and an ideal solution for network migration, as it is equipped with 10/100/1000 Mbps Auto MDI/MDIX ports. Not only is each port triple-speed, all ports can be either connected to a workstation or another switch without the need for cross-over cables. Providing non-blocking wire-speed throughput, the switch can handle the growing performance needs of emerging bandwidth-hungry applications.



Key Features and Benefits

Green Ethernet

Environmentally friendly, this switch provides significant power saving compared to non-Green Ethernet switches.

Support IEEE 802.1p 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.

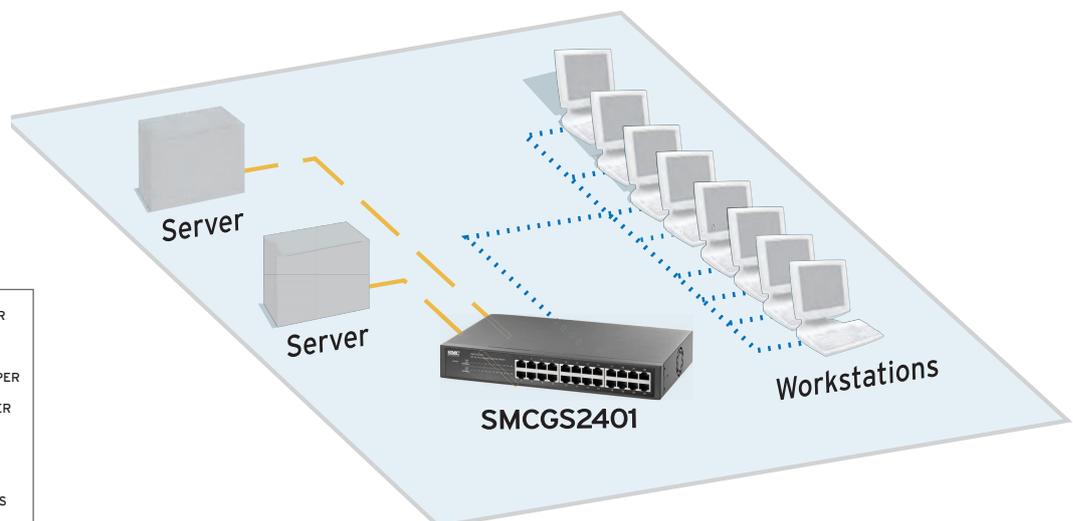
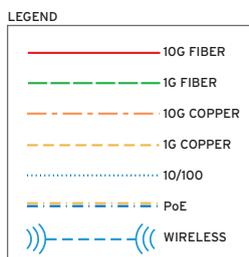
Auto MDI/MDI-X on Each Port

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

Metal Chassis

The compact, rack mountable metal chassis is ideal for desktop or rack mounting.

Application Diagram



Features

PHYSICAL PORTS

SMCGS2401:

- 24 x 10/100/1000 Mbps auto-negotiation RJ-45 ports

NETWORK INTERFACE

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

FEATURE

- Jumbo Frames 9 KBytes
- IEEE 802.1p QoS
- IEEE 802.3x Flow Control
- Auto-MDI/MDIX
- Green Saving

LED

- Power
- Link/Activity

SWITCHING DATABASE

- SMCGS2401: 8K MAC address entries

BUFFER MEMORY

- SMCGS2401: 256 Kbytes/device

SWITCHING CAPACITY

- SMCGS2401: 48 Gbps

POWER REQUIREMENT

- SMCGS2401: 100-240V~50/60Hz, 0.6A

FRAME FILTER RATE

- 10BASE-T: 14881 pps/port
- 100BASE-TX: 148810 pps/port
- 1000BASE-T: 1488095 pps/port

FRAME FORWARDING RATE

- 10BASE-T: 14881 pps/port
- 100BASE-TX: 148810 pps/port
- 1000BASE-T: 1488095 pps/port

THROUGHPUT

- SMCGS2401: 35.7 Gbps

DIMENSIONS

- 294 x 180 x 44 mm (11.6 x 7.1 x 1.7 in)

WEIGHT

- SMCGS2401: 1.652 kg (3.63 lbs)

ELECTROMAGNETIC COMPATIBILITY

- CE Mark
- FCC Class A
- KCC

IMMUNITY

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

EMISSIONS

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

SAFETY

- LVD (EN60950)

TEMPERATURE

- Operating Temperature: 0°C~40°C (32°F~104°F)
- Operating Humidity: 10%~90% non-condensing
- Storage Temperature: -40°C~70°C (-40°F~158°F)
- Storage Humidity: 5%~90% non-condensing

WARRANTY

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

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