SMCGS1601/SMCGS2401
EZ Switch™ 10/100/1000
16-/24-Port Unmanaged Gigabit Ethernet Switches

Product Overview

SMC introduces the latest Gigabit switches to the EZ Switch 10/100/1000 family – SMCGS1601 and SMCGS2401. These switches provide Gigabit Ethernet connectivity from the network backbone all the way to the edge of the network and to individual desktops. With up to 10 times the speed of 100 Mbps networks, these switches reduce transfer times of large data files and boost 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 Switches are easy to install and an ideal solution for network migration, as they are 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 special cross-over cables. Providing non-blocking wire-speed throughput, the switches can handle the growing performance needs in imaging, animation, CAD, film production, and other current and emerging applications.

Key Features and Benefits

**Green Ethernet**
Environmentally friendly these switches allow significant power saving compared to non-Green switches.

**Support IEEE 802.1p QoS**
When the switches receive a frame tagged with an 802.1p priority tag, they will place it into a priority queue. Priority queuing is useful in implementations 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 cross-over cables are required. Simply plug and play.

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

Application Diagram
PHYSICAL PORTS
SMCGS1601:
• 16 x 10/100/1000 Mbps Auto-Negotiation RJ-45 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
• SMCGS1601: 8K MAC address entries
• SMCGS2401: 8K MAC address entries

BUFFER MEMORY
• SMCGS1601: 256 Kbytes/ device
• SMCGS2401: 256 Kbytes/ device

SWITCHING CAPACITY
• SMCGS1601: 32 Gbps
• SMCGS2401: 48 Gbps

POWER ADAPTER
• SMCGS1601: 100-240V~50/60Hz 0.6A
• SMCGS2401: 100-240V~50/60Hz 0.6A

FRAME FILTER RATE
• 10BASE-T: 14881pps/ Port
• 100BASE-Tx: 148810pps/ Port
• 1000BASE-T: 1488095pps/ Port

FRAME FORWARDING RATE
• 10BASE-T: 14881pps/ Port
• 100BASE-Tx: 148810pps/ Port
• 1000BASE-T: 1488095pps/ Port

THROUGHPUT
• SMCGS1601: 23.8 Gbps
• SMCGS2401: 35.7 Gbps

DIMENSIONS
• 294 x 180 x 44 mm (11.6 x 7.1 x 1.7 in)

WEIGHT
• SMCGS1601: 1.45 kg (3.19 lbs)
• SMCGS2401: 1.652 kg (3.63 lbs)

ELECTROMAGNETIC COMPATIBILITY
• CE Mark
• FCC Class A

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

EMISSIONS
• FCC Class A, CISPR Class A, EN55022/EN61000-3-2

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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