

SMCFS1601/SMCFS2401

EZ Switch™ 10/100

16-/24-Port Unmanaged Fast Ethernet Switches

Product Overview

The EZ Switch 10/100 SMCFS1601 and SMCFS2401 are unmanaged, rack-mountable 16- and 24-port Fast Ethernet switches for workgroup and small office environments. All 10BASE-T/ 100BASE-TX ports deliver dedicated 10/100 Mbps links to each attached LAN segment – all with conventional cabling and adapters. Auto-negotiation is used to select the optimal communication mode for each connection, auto-sensing selects the optimal transmission speed. With store-and-forward switching and flow control, maximum data integrity is always maintained, even under heavy loading. Environmentally friendly, the switches consume less power than non-Green Ethernet switches without reducing network performance. Easy installation and reliability make these plug-and-play switches an ideal choice for smooth Fast Ethernet integration in workgroup and small office network environments.



Key Features and Benefits

IEEE 802.3az Energy-Efficient Ethernet Support

When two 802.3az-compliant switches are connected, up to 49%* of power consumption can be saved.

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.

Support for Quality of Service

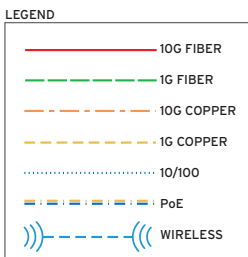
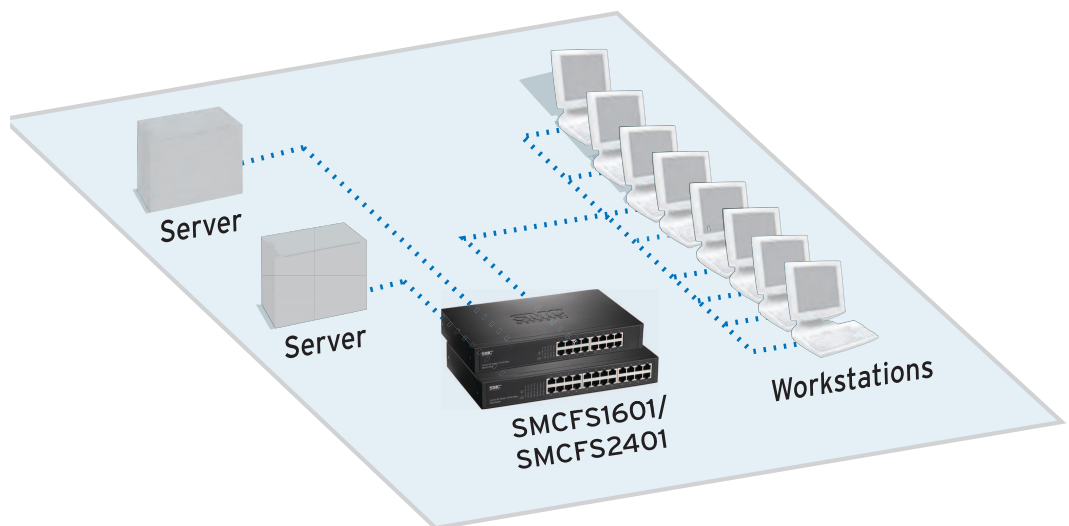
When the switches receive a frame tagged with an 802.1p priority tag, it is placed in the appropriate priority queue. Priority queuing is useful in environments where time-sensitive data, such as voice and video, are streamed across the network.

Metal Chassis Fan-less Design

The compact, rack mountable metal chassis is ideal for desktop or rack mounting. In addition, the lack of fans provides silent operation.

* According to an IEEE 802.3az Energy Efficient Ethernet measurement test conducted by an independent testing company, the SMCFS1601 and SMCFS2401 save up to 49% when each is compared to a non-Green Ethernet switch.

Application Diagram



Features

PHYSICAL PORTS

SMCFS1601:

- 16 x 10/100 Mbps auto-negotiation RJ-45 ports

SMCFS2401:

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

NETWORK INTERFACE

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

FEATURE

- IEEE 802.3x Flow Control
- IEEE 802.1p QoS
- Auto-MDI/MDIX
- IEEE 802.3az
- Fan-less design

LED

- System: Power
- Ports: Link/Activity

SWITCHING DATABASE

- SMCFS1601: 8K MAC address entries
- SMCFS2401: 8K MAC address entries

BUFFER MEMORY

- SMCFS1601: 256 KBytes/device
- SMCFS2401: 256 KBytes/device

SWITCHING CAPACITY

- SMCFS1601: 3.2 Gbps non-blocking
- SMCFS2401: 4.8 Gbps non-blocking

POWER REQUIREMENT

- 100-240V~50/60Hz, 0.3A

FRAME FILTER RATE

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

FRAME FORWARDING RATE

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

THROUGHPUT

- SMCFS1601: 2.4 Mpps
- SMCFS2401: 3.6 Mpps

DIMENSIONS

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

WEIGHT

- SMCFS1601: 1.287 kg (2.83 lbs)
- SMCFS2401: 1.321 kg (2.91 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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