

SMCFS1601/SMCFS2401

EZ Switch™ 10/100
16-/24-Port Unmanaged Fast Ethernet Switches



Product Overview

The EZ Switches 10/100 (SMCFS1601/ SMCFS2401) are unmanaged, rack-mountable 16-/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

Green Ethernet

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

Auto MDI/MDI-X on each port

Support from Auto-MDIX means that no cross-over cables are required. Simply plug and play.

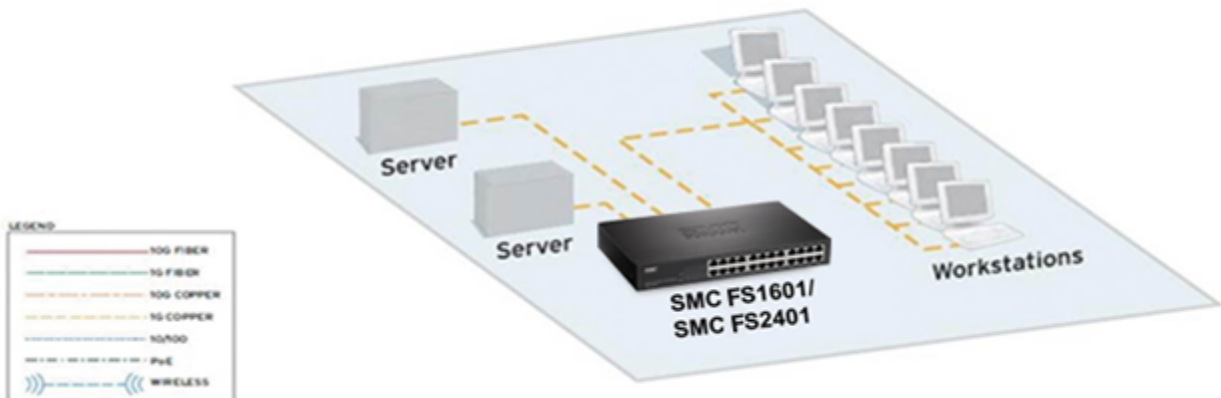
Support for Quality of Service

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.

Metal chassis, fan-less design

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

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)

FEATURES

- IEEE 802.3x Flow Control
- IEEE 802.1p QOS
- Auto-MDI/ MDIX
- Green Saving
- Fan-less design

LEDS

- 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: 3.2Gbps, non-blocking
- SMCFS2401: 4.8Gbps. Non-blocking

INPUT VOLTAGE

- 100-240V~50/60Hz

FRAME FILTER RATE

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

FRAME FORWARDING RATE

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

THROUGHPUT

- SMCFS1601: 2.4MPPS
- SMCFS2401: 3.6MPPS

DIMENSIONS

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

WEIGHT

- SMCFS1601: 1287g (2.83lbs)
- SMCFS2401: 1321g (2.91lbs)

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/ HUMIDITY

- 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.

Contact

Europe/Africa
 Fructuos Gelabert 6-8
 08970 Sant Joan Despi
 Barcelona, Spain

Check www.smc.com for your local country contact information

Taiwan
 No. 1 Creation Rd, III,
 Science-based Industrial Park,
 Hsinchu 30077, Taiwan, R.O.C.
 Tel: +886 3 5770270 Fax: +886 3 5780764

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

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

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