

SMCFS502/SMCFS802

EZ Switch™ 5- and 8-Port Fast Ethernet Switches

Product Overview

The SMC EZ Switch™ 10/100 family includes the SMCFS502 and SMCFS802, 5- and 8-port unmanaged 10/100 Mbps Fast Ethernet switches with a plastic-case chassis that deliver high-speed copper to the desktop. Environmentally friendly, they consume up to 77%* less power than non-Green Ethernet switches, without reducing network performance. QoS priority and Auto-MDI/MDIX on all ports makes these desktop switches ideal for home and small office network environments.



802.3az
Green Saving

Key Features and Benefits

IEEE 802.3az Energy-Efficient Ethernet Support

When two 802.3az-compliant switches are connected, up to 77%* of power consumption can be saved.

Support for Port-Based Quality of Service

The switches support port-based Quality of Service, where traffic on some ports has a higher priority than other ports. Ports 1-3 on the SMCFS502 and ports 1-5 on the SMCFS802 have higher priority.

The Smallest Pocket-Size Switch

The SMCFS502 and SMCFS802 switches are extremely compact and light. The SMCFS502 is smaller than a credit card and weighs only 43g. These devices easily fit in your pocket and are ideal for small offices and travel.

Broadcast Storm Control and CRC Filtering

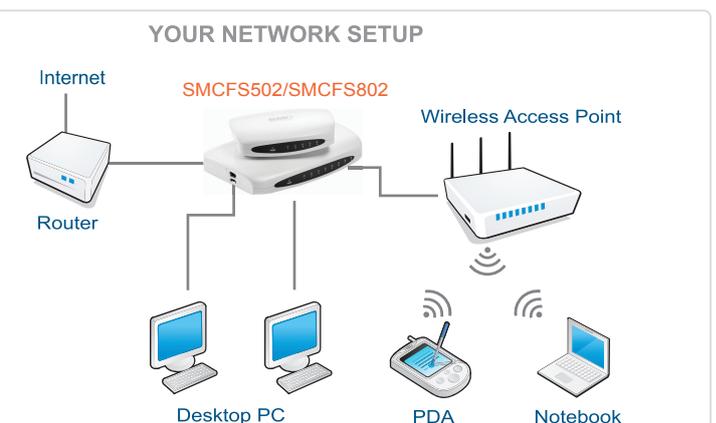
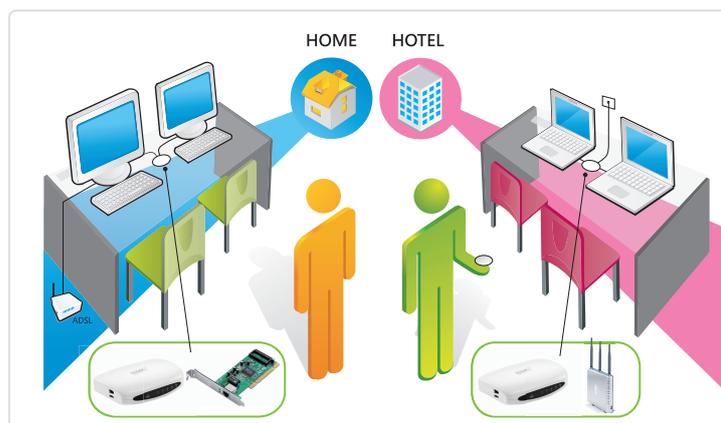
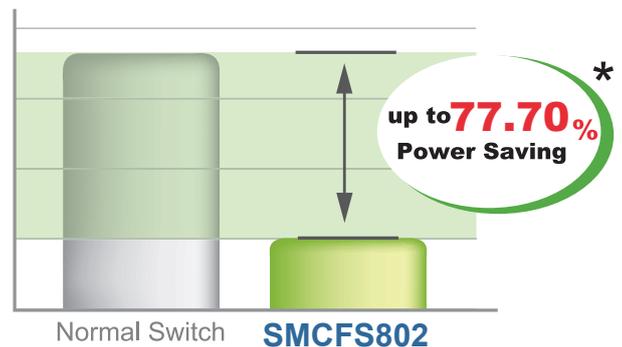
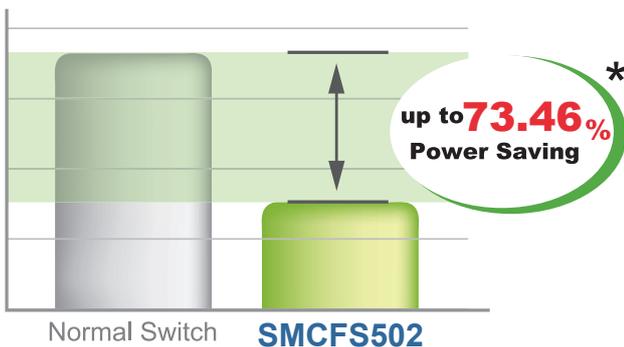
Broadcast storm control prevents broadcast traffic storms from consuming bandwidth, and CRC filtering stops bad packets from propagating throughout the network.

Micro and Mini USB Interfaces

The SMCFS502 / SMCFS802 can be powered through its Mini or Micro USB interface. The Micro USB interface is a new USB standard for 2012. When traveling, it allows you to use your camera or smartphone USB cable and charger to power the switches.

Auto MDI/MDI-X on Each Port

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



Features

PHYSICAL PORTS

SMCFS502:

- 5 10/100BASE-T RJ-45 ports
- Mini USB socket
- Micro USB socket

SMCFS802:

- 8 10/100BASE-T RJ-45 ports
- Mini USB socket
- Micro USB socket

NETWORK INTERFACE

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

SWITCHING DATABASE

- SMCFS502: 2K MAC address entries
- SMCFS802: 1K MAC address entries

BUFFER MEMORY

- SMCFS502: 352 kb/device
- SMCFS802: 768 kb/device

FEATURES

- IEEE 802.3x Flow Control
- Auto-MDI/MDIX
- IEEE 802.3az

QoS PORT

- SMCFS502: Port 1-3
- SMCFS802: Port 1-5

LED

- Power
- Link/Activity

POWER CONSUMPTION

- SMCFS502
Full links with traffic: 1.5W
Full links but no traffic: 0.41W
- SMCFS802
Full links with traffic: 2.2W
Full links but no traffic: 0.52W

SWITCHING CAPACITY

- SMCFS502: 1.0 Gbps
- SMCFS802: 1.6 Gbps

THROUGHPUT

- SMCFS502: 0.75 Mbps
- SMCFS802: 1.19 Mbps

DIMENSIONS

- SMCFS502: 80 x 59 x 18 mm (3.15 x 2.32 x 0.71 in)
- SMCFS802: 116 x 77 x 18 mm (4.57 x 3.03 x 0.71 in)

WEIGHT

- SMCFS502: 43 g (1.52 oz)
- SMCFS802: 79 g (2.79 oz)

*According to an IEEE 802.3az Energy Efficient Ethernet measurement test conducted by an independent testing company, the SMCFS502 saves 73.46% and the SMCFS802 77.70% when each is compared to a non-Green Ethernet switch.

POWER SUPPLY

- External power adapter 5V/0.6A

MTBF(MEAN TIME BETWEEN FAILURE)

- SMCFS502: 2868671 hrs
- SMCFS802: 2321454 hrs

ELECTROMAGNETIC COMPATIBILITY

- CE Mark
- FCC Class B
- KC Mark
- C-Tick
- VCCI

IMMUNITY

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

EMISSIONS

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

SAFETY

- LVD (EN60950)

TEMPERATURE

- Operating: 0°C~40°C (32°F~104°F)
- Operating: 10%-90% Relative Humidity

WARRANTY

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

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