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.

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/MDI-X means that no crossover cables are required. Straight-through cables can be used for all connections.
## Features

### Physical Ports

<table>
<thead>
<tr>
<th>Model</th>
<th>Ports</th>
<th>Mini USB</th>
<th>Micro USB</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMCFS502</td>
<td>5</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>SMCFS802</td>
<td>8</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Network Interface

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

### Switching Database

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

### Memory Buffer

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

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### Features

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

### QoS Port

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

### LED

- System: Power
- Port: Link/Activity

### Power Supply

- **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

## Mechanical

- **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)

## 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

## Environmental Specification

- Temperature: 0°C to 40°C (32°F~104°F)
- Humidity: 10% to 90% (non-condensing)

## Safety

- LVD (EN60950)

## Immunity

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

## Emissions

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

## Warranty

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

*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.*

## Contact

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