The SMC family of EZ Switch 10/100/1000 Gigabit Ethernet Switches (SMC8505T & SMC8508T) is the perfect solution for bottlenecks at the core of a network. Bottlenecks are the inevitable result of data-intensive applications and the proliferation of new users. SMC’s EZ Switch 10/100/1000 provides a seamless migration to higher-speed networking while solving bandwidth issues. It is designed to allow simultaneous transmission of multiple packets via an internal high-speed data channel.

These gigabit switches are designed for Plug and Play installation, with auto-MDI on every port. This means that no more crossover cables are required, every port can either be connected to a PC station or another switch for network expansion. With FCC Class B, it is ideal for SOHO applications. The EZSwitches fulfill today’s diverse networking needs.

### Overview

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
<th>Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Auto MDI/MDI-X on each port to simplify integration into a network</td>
<td>• Features Store-and-Forward with wire-speed filtering and forwarding rates to ensure data integrity</td>
<td>• IEEE802.3</td>
</tr>
<tr>
<td>• Support to handle Jumbo Packets up to 9K bytes packet</td>
<td>• Ports can be configured to 10/100Mbps half or full-duplex, or to 1000Mbps full-duplex mode to maintain network stability</td>
<td>• IEEE802.3u</td>
</tr>
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<td>• Complies with the IEEE802.3, IEEE802.3u, and IEEE802.3ab/ Gigabit Ethernet standard</td>
<td>• Automatic Source Address Learning and Aging to ensure superior delivery of data.</td>
<td>• IEEE802.3ab</td>
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<td>• Features Store-and-Forward mode with wire-speed filtering and forwarding rates</td>
<td>• IEEE802.3x compliant full-duplex flow control, HOL blocking prevention</td>
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**SMC8505T/SMC8508T**

**Ports**
- 5-Port auto-MDIX 10/100/1000Mbps RJ-45 auto-sensing ports
- 8-Port auto-MDIX 10/100/1000Mbps RJ-45 auto-sensing ports

**Network Media:**
- 10Base-T, UTP/STP category 3 or 5 cable
- 100Base-T, UTP/STP category 3 or 5 cable
- 1000Base-TX, UTP/STP category 5 cable, 4 pairs

**LED indicators:**
- System – Power
- Link – 10/100Mbps
- Link- 1000Mbps

**Forwarding Method**
- Store and Forward

**Frame Size**
- Jumbo packets up to 9K bytes

**MAC address**
- 8K

**Buffer Size**
- 768K

**Dimension:**
- 7.76 x 4.6 x 1.44 in

**Weight:**
- SMC8505T: 1.31 lbs
- SMC8508T: 1.38 lbs

**Temperature:**
- Operating – 0° to 40° F
- Storage – -40° to 70° F (non-operation)

**Humidity:**
- Operating – 10% to 90%
- Storage – 5% to 90%

**Power Consumption**
- SMC8505T: 12 Watts
- SMC8508T: 15 Watts

**Input Power Requirement:**
- SMC8505T: DC 12V/1.0A
- SMC8508T: DC 12V/1.25A

**Safety & EMI:**
- FCC Part 15 Class B
- CE
- CSA (UL1950)
- TUV/GS (EN60950)

**Standard**
- IEEE802.3
- IEEE802.3u
- IEEE802.3ab
- IEEE802.3x

**Warranty**
- Limited Lifetime

**Package Include:**
- Rackmount kits
- Four adhesive rubber foot pads
- Installation Guide
- Power adapter
- Warranty Registration Card

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<th>Product</th>
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<td>SMC8505T</td>
<td>5-port 10/100/1000Mbps Unmanaged Gigabit Switch</td>
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