

# Ethernet Link SGD-500

## 5 Port 10/100/1000Mbps Gigabit Green Ethernet Switch

### Overview

**SGD-500** is a 5-port SOHO Gigabit Green Ethernet Switch that is designed for small or medium network environment. This product is compact in size, making it ideal for SOHO users with limited space.



### High-Speed Networking

SGD-500 provides an excellent solution for expanding your Gigabit network. Using Gigabit speeds, this product provides high flexibility and high bandwidth connectivity to servers, workstations and other attached devices. It enables you to save time transferring large files.

### Green Technology

SGD-500 provides link-on and dynamic detection of cable length and dynamic adjustment of power required for the detected cable length. It also provides link-down power saving on a per-port basis, greatly cutting power consumption when the network cable is disconnected. After it detects an incoming signal, it wakes up from link-down power saving and operates in normal mode.

### Features

- 5\* 10/100/1000 TX auto-negotiation Ethernet ports
- Each RJ45 port supports Auto MDI/MDI-X
- Plug-and-play auto-negotiation for speed and duality
- True non-blocking architecture for full wire speed forwarding
- Store-and-forward switching mechanism
- Back pressure and IEEE 802.3x compliant flow control
- Support Green Ethernet Technology

**Specifications**

<b>Standards</b>	<ul style="list-style-type: none"> <li>● IEEE 802.3 10BaseT</li> <li>● IEEE 802.3u 100BaseTX</li> <li>● IEEE 802.3ab 1000BaseT</li> <li>● IEEE 802.3x Flow Control</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>● Number of Ports: 5</li> <li>● MAC Address: 1K</li> <li>● Buffer Memory: 104 KB</li> <li>● Jumbo Frames: 9 KB</li> </ul>
<b>Filtering/Forwarding Rates</b>	<ul style="list-style-type: none"> <li>● 1000Mbps port - 1,488,000pps</li> <li>● 100Mbps port - 148,800pps</li> <li>● 10Mbps port - 14,880pps</li> </ul>
<b>Green Ethernet Technology</b>	<p><b>1. Link-On and Cable Length Power Saving:</b></p> <ul style="list-style-type: none"> <li>● Link-on and dynamic detection of cable length</li> <li>● Dynamic adjustment of power required for the detected cable length</li> <li>● Provides high performance with minimum power consumption</li> </ul> <p><b>2. Link-Down Power Saving</b></p> <ul style="list-style-type: none"> <li>● Link-down power saving on a per-port basis</li> <li>● Cut power consumption when network cable is disconnected</li> <li>● After it detects an incoming signal, it wakes up from link-down power saving and operates in normal mode</li> </ul>
<b>Green Ethernet Benefits</b>	<ul style="list-style-type: none"> <li>● Reduce Your Power Consumption</li> <li>● Create Less Heat</li> <li>● Extend Your Product Life</li> <li>● Decrease Your Operating Costs</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>● 10 Watts (Max)</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>● DC 7.5V</li> </ul>

<b>Weight</b>	● 0.28 kg
<b>Operating Temperature</b>	● 0 to 55°C
<b>Storage Temperature</b>	● -20 to 90°C
<b>Humidity</b>	● 10 to 90% RH (non-condensing)
<b>Regulatory Compliance</b>	● FCC Class B, CE

## Application



## Ordering Information

**SGD-500-R1: 5 Port 10/100/1000Mbps Gigabit Green Ethernet Switch**

*\* Product specification subject to change without notice.*