

## **GigaSwitch 8G 8 Port 10/100/1000Mbps Gigabit Green Ethernet Switch**



**SGD-800** is a 8-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-800 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-800 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.

### **Non-Blocking**

This switch receives and forwards traffic seamlessly with its non-blocking wire-speed. Every port simultaneously supports up to 2000Mbps of bandwidth in full-duplex mode. This feature provides full wire speed to the connected devices and allows you to run a smooth network.

### **Auto-MDI/MDI-X & Auto-negotiation**

Every port can automatically sense your type of cable, so there is no need for crossover cables whether you are connecting this switch to another switch or to a computer.

Every port can automatically sense if the connected network devices are running at 10Mbps, 100Mbps or 1000Mbps and Half/Full-Duplex mode, and adjust accordingly.

### **Store and Forward**

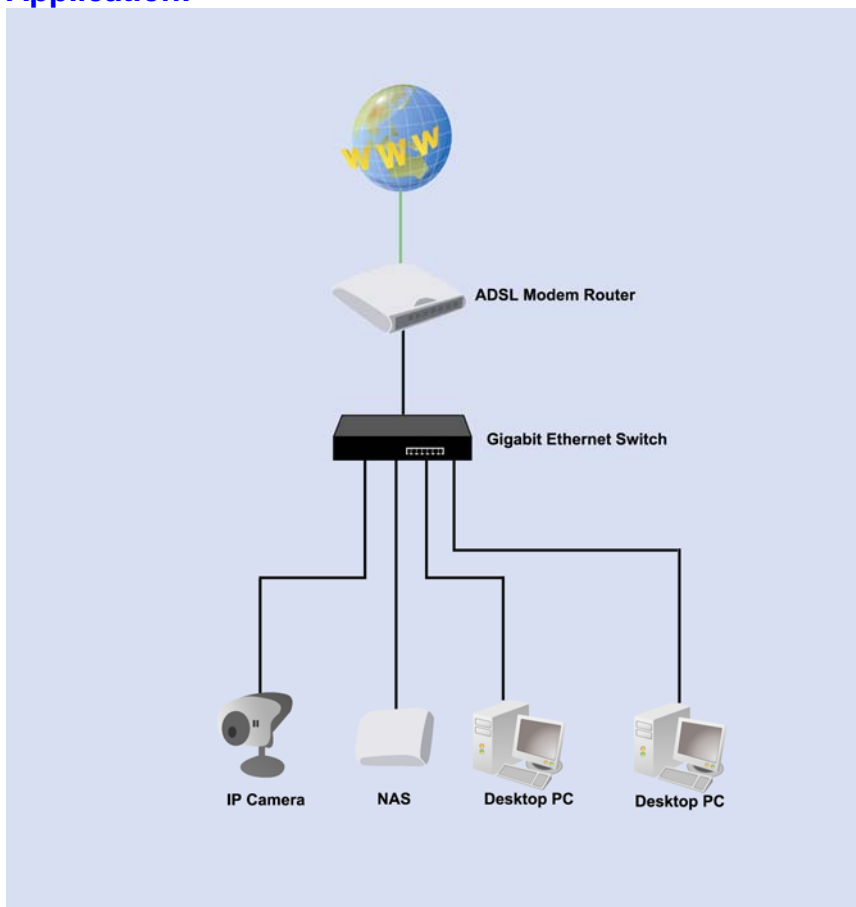
By this function, this switch can maximize network performance while minimizing the propagation of bad network packets.

## Specification

<b>Standards</b>	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3x Flow Control
<b>Features</b>	Number of Ports: 8 MAC Address: 4K Buffer Memory: 128 KB Jumbo Frames: 9 KB Transmission Method: Store and Forward
<b>Filtering/Forwarding Rates</b>	1000Mbps port - 1,488,000pps 100Mbps port - 148,800pps 10Mbps port - 14,880pps
<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 Supply</b>	DC 5V/2A
<b>Power Consumption</b>	10 Watts (Max)

<b>Dimensions</b>	130 x 97 x 24 mm (L x W x H)
<b>Weight</b>	0.35 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-800-R1: 8 Port 10/100/1000Mbps Gigabit Green Ethernet Switch**

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