



## Gigabit Ethernet Switch

User Manual  
LKS-SG5P / SG8P

## **A** Introduction

The LKS-SG5P/LKS-SG8P 10BASE-T/100BASE-TX/1000BASE-T Switches which are high-performance Gigabit Ethernet Switches designed for the network core. It provides 5/8 10BASE-T/100BASE-TX/1000BASE-T ports that can significantly improve the performance of your network's backbone, and deliver the throughput needed to support a broad range of advanced network applications. With LKS-SG5P/LKS-SG8P high performance bandwidth, it provides the quickest solution to meeting the growing demands on your network's limited resources.



## **Features**

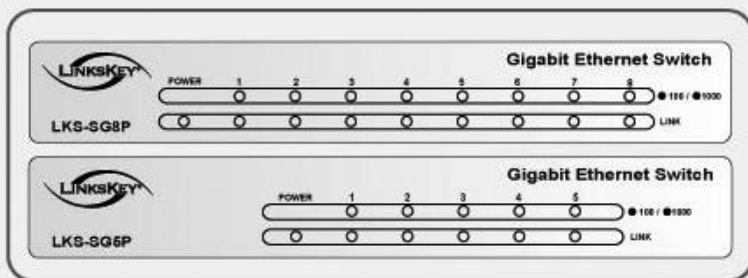
- ✿ Complies with the IEEE 802.3 10Base-T Ethernet, IEEE 802.3u 100Base-TX Fast Ethernet and IEEE 802.3ab 1000Base-T Gigabit Ethernet standards.
- ✿ Compact size.
- ✿ 5/8-port 10/100/1000 Mbps auto-MDI/MDI-X.
- ✿ Secure store and forward switching scheme.
- ✿ Auto correction of reverse twisted pair polarity.
- ✿ All ports support half/full duplex, Nway auto negotiation.
- ✿ All ports support 802.3x flow control for protection against data loss.

## **Package Contents**

- ✿ User Manual.
- ✿ Power Adapter.
- ✿ LKS-SG5P / LKS-SG8P 10/100/1000Mbps Gigabit Ethernet Switch.

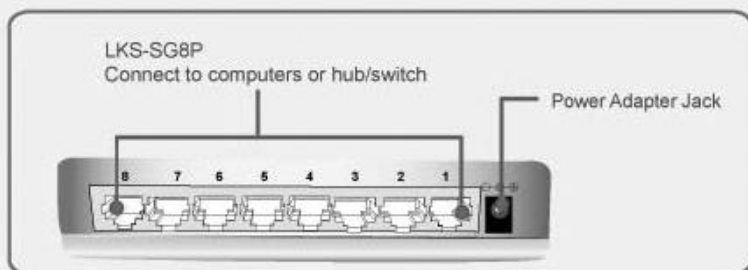
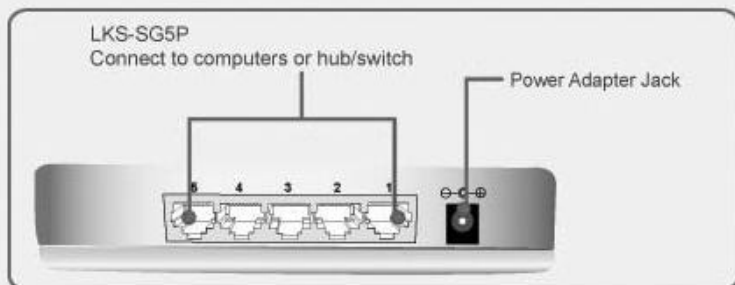
# D Hardware Introduction

## 4.1 Front Panel



- POWER LED**  
 This LED light is on when power is present.
- 5 Port LED (LKS-SG5P)**  
 Indicates the status of each of the 5 ports.
- 8 Port LED (LKS-SG8P)**  
 Indicates the status of each of the 8 ports.
- Speed 100 Mbps LED**  
 A green LED indicates the speed is 100 Mbps.
- Speed 1000 Mbps LED**  
 An orange LED indicates the speed is 1000 Mbps.
- Link/Activity LED**  
 There is a link when the LED light is lit, there is an activity when the LED blinks.

## 4.2 Rear Panel



- ⚙ **DC-input**  
connect power adapter
- ⚙ **5 Port Gigabit Switch (LKS-SG5P)**  
connect computers, hub's, switches or other devices.
- ⚙ **8 Port Gigabit Switch (LKS-SG8P)**  
connect computers, hub's, switches or other devices.

## Technical Specifications

<b>Standards</b>	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T
<b>Data Transfer Rate</b>	- Ethernet : 10Mbps (half-duplex) 20Mbps (full-duplex) - Fast Ethernet : 100Mbps (half-duplex) 200Mbps (full-duplex) - Gigabit Ethernet : 1000Mbps (half-duplex) 2000Mbps (full-duplex)
<b>Interface</b>	5/8 x 10/100/1000Mbps Auto-MDI/MDI-X Ports
<b>Diagnostic LED</b>	Power, Link / ACT, 100Mbps / 1000Mbps
<b>Power Input</b>	DC 5V / 2A
<b>Dimension</b>	109 x 155 x 33mm
<b>Operating Temperature</b>	0°C ~ 40° C (32°F ~ 104° F)
<b>Operating Humidity</b>	10% ~90% RH,Non-condensing
<b>EMI Certification</b>	FCC Class B / CE Class B



## **FCC Warning**

This equipment has been tested and found to comply with the regulations for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this user's guide, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

- ⚙ Reorient the receiving antenna
- ⚙ Increase the separation between the equipment and receiver
- ⚙ Connect the equipment into an outlet on a circuit in a different room that to which the receiver is connected
- ⚙ Consult the dealer or an experienced radio/TV technician for help.



## **CE Mark Warning**

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with you Local Authority or Retailer for recycling advice.





TECHNICAL SUPPORT  
E-mail: [btitech@linkskey.com](mailto:btitech@linkskey.com)  
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