



16/24-Port Gigabit Ethernet Switches

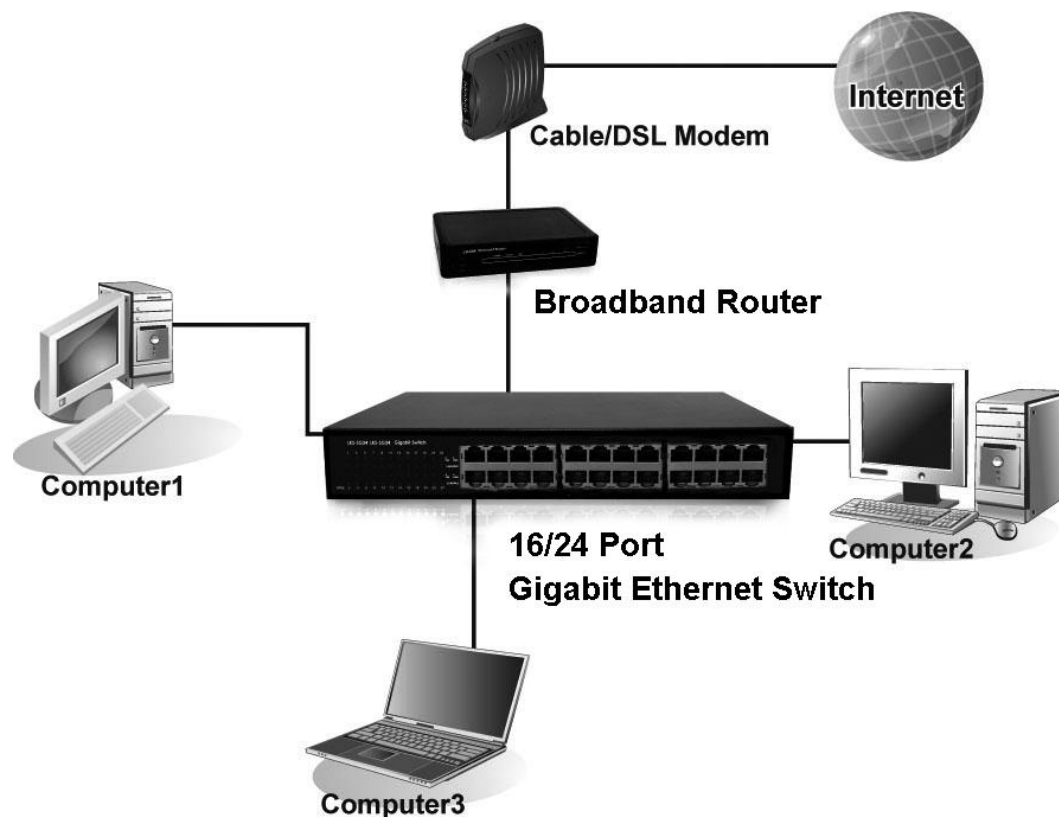
KGS-116 / KGS-124

User's Manual



1. Introduction

The 10BASE-T/100BASE-TX/1000BASE-T Switches, which are high-performance Gigabit Ethernet Switches designed for the network core. It provides 16/24 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 Gigabit Ethernet Switches high performance band-width, it provides the quickest solution to meeting the growing demands on your network's limited resources.



2. Features

- 16/24-Port 10/100/1000Mbps Auto-Negotiation and Auto-MDI/MDI-X Gigabit Ethernet Switch
- 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
- IEEE 802.3x Flow Control for Full-duplex and Back Pressure for Half-duplex
- Support Full/Half duplex transfer mode for 10/100Mbps

- Support Full duplex transfer mode for 1000Mbps
- Support Store-and-Forward architecture and performs Forwarding and Filtering
- Full Wire-Speed Non-Blocking Reception and Transmission
- Extensive front-panel diagnostic LEDs
- Rack-mountable kit to fit 19" rack mount shelf

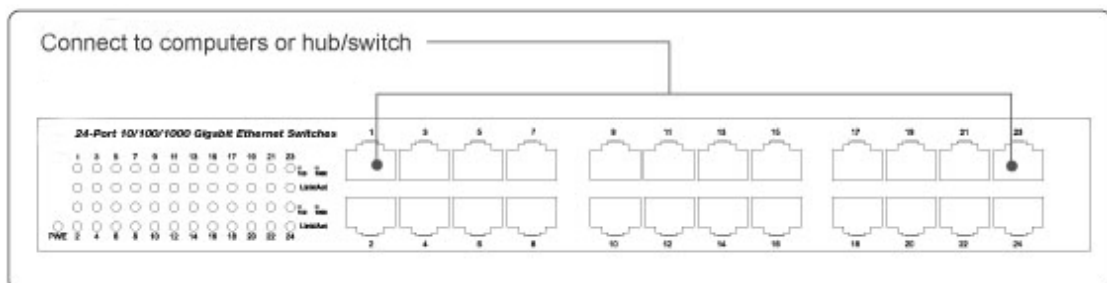
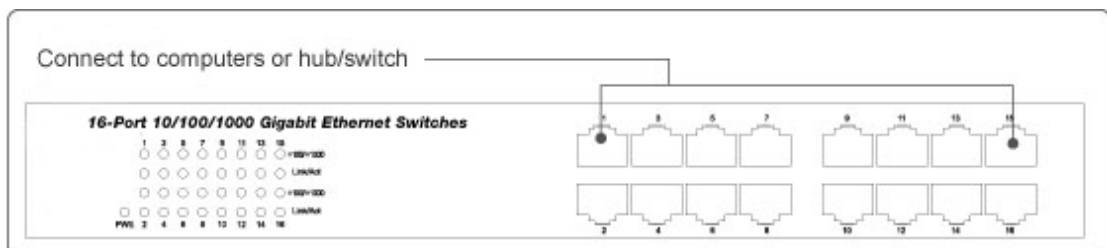
3. Package Contents

- Rackmount Kit.
- User guide CD
- Power cord.
- Gigabit Ethernet Switch

4. Hardware Introduction

4.1 Front Panel

The unit front panel provides a simple interface monitoring the Switch. See the chart in section 4.2 for the status of each LED denotes..



4.2 LED Displays

LED Function	Color	Description
PWR	Green	Lit: Power on
LNK/ACT	Green	Lit: Indicates there is a link Flash: indicates there is an activity
10/100	Green	Lit: 100Mbps Unlit: 10Mbps
1000 Mbps	Orange	Lit: 1000Mbps

4.3 Rear Panel

The rear panel of the Gigabit Ethernet Switch indicates an AC inlet, which accepts 100-240VAC 50-60Hz power input.



Specifications

Standard	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3x Flow control
Data Transfer Rate	- Ethernet : 10Mbps(half-duplex), 20Mbps(full-duplex) - Fast Ethernet : 100Mbps(half-duplex), 200Mbps(full-duplex) - Gigabit Ethernet : 2000Mbps(full-duplex)
LED indicators	Power, Link/Act, 10/100Mbps – Green 1000Mbps – Orange
Ports	16/24 10/100/1000Mbps RJ-45 Auto-MDI / MDI-X Ports
Network cable	-10Base-T : Cat.3, 4, 5 or higher -100Base-TX : Cat.5, 5e or higher -1000Base-T : Cat.5e or higher
Dimension	16 Port - 280mm(W) x 180mm(D) x 44mm(H) 24 Port - 280mm(W) x 180mm(D) x 44mm(H)
Temperature	Operating 0°C to 40°C (32° to 104° F) Storage -20°C to 70°C (-4° to 158° F)
Humidity	Operating 10% to 90% RH, Non-condensing Storage 5% to 90% RH, Non-condensing
Power Input	100 – 240VAC, 50 / 60Hz, Auto-sensing
Registrations	FCC Part 15 Class A, CE

5. FCC Warning

This equipment has been tested and found to comply with the regulations for a Class A 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.

6. CE Mark Warning

This is a Class A 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.

