ZyXEL

Optimized for Smooth VoIP and Data Exchange

- **Compact, sturdy desktop switch with alternative wall-mount installation**
- **Connect up to 5/8 network devices at Gigabit wire speed**
- **QoS ports for optimized, smooth VoIP and data transfer of high- and medium-priority applications**
- **Green switch for energy saving**
- **Loop detection prevents network from crashing**

The ZyXEL GS-105B v3/GS-108B v3 5/8-Port Desktop Gigabit Ethernet Switch connects network devices and the home network at blazing Gigabit speed. The newly designed QoS ports guarantee smooth transfer for bandwidth-intensive applications such as VoIP and data communications.

Benefits

Compact, sturdy switch with alternative wall-mount design
The GS-105B v3/GS-108B v3 fits any environment. Regardless of desktop or wall-mount installation, its sturdy, compact design provides more flexibility for wired home networks.

Fast, reliable wired connectivity
Without any manual configuration, the GS-105B v3/GS-108B v3 can boost data transfer speed for connected network devices such as IP phones, network storages, PCs and laptops to the network at blazing-fast Gigabit speed.

Optimized for smooth VoIP and data exchange
The GS-105B v3/GS-108B v3 has 3/4 QoS ports with an assigned high- and medium-priority mechanism to enhance the stability of VoIP and data exchange. Just connect network devices such as IP phones, PCs, laptops or network storages to the high-priority or medium-priority ports of your choice, you can then enjoy smooth VoIP communication and data transfer at the same time.

GS-105B v3
GS-108B v3
5/8-Port Desktop Gigabit Ethernet Switch

Detect
Cable Length

Adjust
Power Usage

Green switch saves energy

Compliant with the IEEE 802.3az Energy Efficient Ethernet standard, the GS-105B v3/GS-108B v3 provides power-saving benefits without compromising performance. The GS-105B v3/GS-108B v3 can automatically adjust power consumption according to the number of active, connected network devices and cable length; that is, it consumes less power if fewer network devices are connected and active, or when the length of Ethernet cable is shorter.

Specifications

System Specifications

Standard
- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet
- IEEE 802.3 Nway auto-negotiation
- IEEE 802.3x full duplex operation and flow control
- IEEE 802.3az Energy Efficient Ethernet

Performance
- Data transfer rate (half duplex/full duplex):
  - Ethernet: 10/20 Mbps
  - Fast Ethernet: 100/200 Mbps
  - Gigabit Ethernet: 1000/2000 Mbps
- MAC address table:
  - GS-105B v3: 2 K
  - GS-108B v3: 8 K
- Memory buffer:
  - GS-105B v3: 128 KB
  - GS-108B v3: 128 KB
- Switching fabric (non-blocking):
  - GS-105B v3: 10 Gbps
  - GS-108B v3: 16 Gbps

Features
- Auto-MDI/MDIX in all ports
- Transmission method:
  - Store-and-forward architecture
- Loop detection support
- Port-based QoS support
- Jumbo frame support up to 9 KB

Hardware Specifications

Interface
- GS-105B v3: Five RJ-45 10/100/1000 Mbps Ethernet ports with auto MDI/MDIX support
- GS-108B v3: Eight RJ-45 10/100/1000 Mbps Ethernet ports with auto MDI/MDIX support

QoS Ports
- GS-105B v3: One high-priority QoS port and two medium-priority QoS ports
- GS-108B v3: Two high-priority QoS ports and two medium-priority QoS ports

LED Indicator
- PWR: Power
- Per port: Link/Activity
  - Amber: 10/100 Mbps
  - Green: 1000 Mbps

Power Supply
- GS-105B v3:
  - Input: 100 - 240 V AC
  - Output: 5 V DC, 1 A
- GS-108B v3:
  - Input: 100-240 V AC
  - Output: 5 V DC, 1 A

Power Consumption
- GS-105B v3: 2.5 watt max.
- GS-108B v3: 3.0 watt max.

Physical Specifications

- Item dimensions (WxDxH):
  - GS-105B v3:
    121 x 75 x 26 mm (4.8" x 3.0" x 1.0")
  - GS-108B v3:
    155 x 85 x 26 mm (6.1" x 3.3" x 1.0")
- Item weight:
  - GS-105B v3: 229 g (0.50 lb.)
  - GS-108B v3: 325 g (0.72 lb.)
- Packing dimensions (WxDxH):
  - GS-105B v3:
    127 x 82 x 95 mm (5.0" x 3.2" x 3.7")
  - GS-108B v3:
    161 x 90 x 95 mm (6.3" x 3.5" x3.7")
- Packing weight:
  - GS-105B v3: 381 g (0.84 lb.)
  - GS-108B v3: 493 g (1.09 lb.)

Environmental Specifications

Operating Environment
- Temperature: 0°C to 50°C (32°F to 122°F)
- Humidity: 10% to 90% (Non-condensing)

Storage Environment
- Temperature: -40°C to 70°C (-40°F to 158°F)
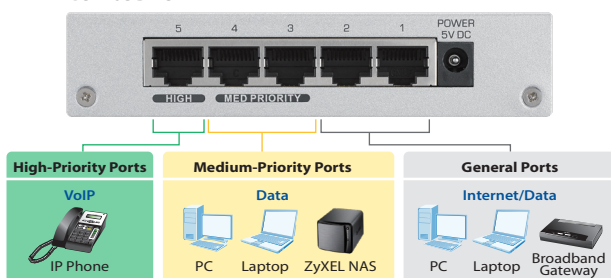- Humidity: 10% to 95% (Non-condensing)

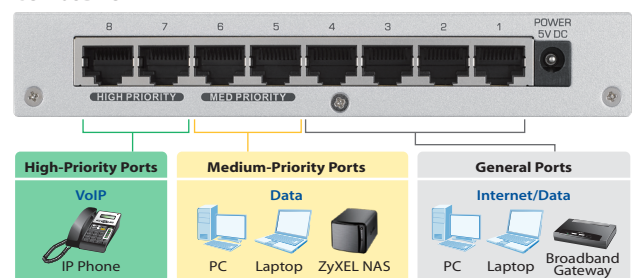## Certification

- CE, FCC Class B, BSMI

Package Contents

- Gigabit switch
- Power adapter
- Quick start guide

Application Diagram

GS-105B v3

High-Priority Ports	Medium-Priority Ports	General Ports
VoIP	Data	Internet/Data
IP Phone	PC Laptop ZyXEL NAS	PC Laptop Broadband Gateway

GS-108B v3

High-Priority Ports	Medium-Priority Ports	General Ports
VoIP	Data	Internet/Data
IP Phone	PC Laptop ZyXEL NAS	PC Laptop Broadband Gateway

For more product information, visit us on the web at www.ZyXEL.com

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