

# 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 v2/GS-108B v2 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 v2/GS-108B v2 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 v2/GS-108B v2 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 v2/GS-108B v2 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.

#### Green switch saves energy

Compliant with the IEEE 802.3az Energy Efficient Ethernet standard, the GS-105B v2/GS-108B v2 provides power-saving benefits without compromising performance. The GS-105B v2/GS-108B v2 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.



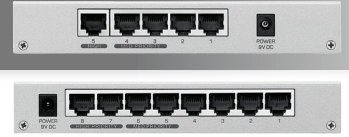
**GS-105B v2**  
**GS-108B v2**  
5/8-Port Desktop Gigabit Ethernet Switch



Detect Cable Length



Adjust Power Usage



## 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 v2: 2 K
  - GS-108B v2: 8 K
- Memory buffer:
  - GS-105B v2: 128 KB
  - GS-108B v2: 128 KB
- Switching fabric (non-blocking):
  - GS-105B v2: 10 Gbps
  - GS-108B v2: 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
- IGMP snooping v1/v2 support (GS-105B v2)

### Hardware Specifications

#### Interface

- GS-105B v2: Five RJ-45 10/100/1000 Mbps Ethernet ports with auto MDI/MDIX support
- GS-108B v2: Eight RJ-45 10/100/1000 Mbps Ethernet ports with auto MDI/MDIX support

#### QoS Ports

- GS-105B v2: One high-priority QoS port and two medium-priority QoS ports
- GS-108B v2: Two high-priority QoS ports and two medium-priority QoS ports

#### LED Indicator

- PWR: Power
- Per port: Link/Activity

#### Power Supply

- GS-105B v2:
  - Input: 100 - 240 V AC
  - Output: 9 V DC, 0.6 A
- GS-108B v2:
  - Input: 100-240 V AC
  - Output: 9 V DC, 0.85 A

#### Power Consumption

- GS-105B v2: 3.5 watt max.
- GS-108B v2: 5.5 watt max.

### Physical Specifications

- Item dimensions (WxDxH):
  - 164 x 98 x 26 mm (6.46" x 3.86" x 1.02")
- Item weight:
  - GS-105B v2: 369 g (0.81 lb.)
  - GS-108B v2: 392 g (0.86 lb.)
- Packing dimensions (WxDxH):
  - 170 x 108 x 92 mm (6.70" x 4.25" x 3.62")
- Packing weight:
  - GS-105B v2: 537 g (1.18 lb.)
  - GS-108B v2: 559 g (1.23 lb.)

### Environmental Specifications

#### Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% (Non-condensing)

#### Storage Environment

- Temperature: -40°C to 70°C (-40°F to 158°F)
- Humidity: 5% to 90% (Non-condensing)

### Certification

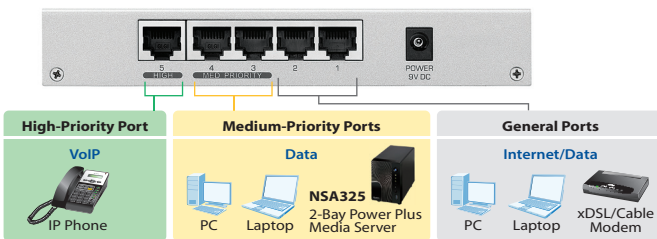
- CE, FCC Class B, C-Tick, BSMI

### Package Contents

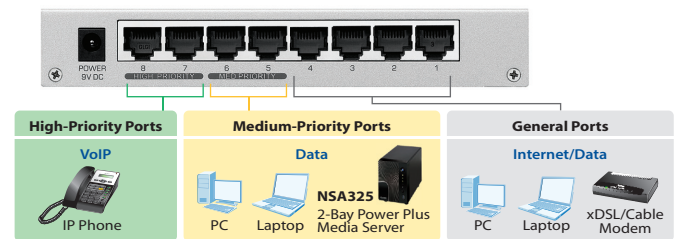
- Gigabit switch
- Power adapter
- Quick start guide
- Warranty card

## Application Diagram

### GS-105B v2



### GS-108B v2



For more product information, visit us on the web at [www.ZyXEL.com](http://www.ZyXEL.com)



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