Easy and Reliable Gigabit Network Expansion

Benefits

Compact and stylish design
The stylish, compact metal housing of GS-105B/GS-108B fits any working environment. The affordable and reliable series comes with 5/8 ports to meet network expansion needs.

Gigabit Ethernet boosts speed up to 10/100 times faster
The ZyXEL GS-105B/GS-108B 10/100/1000 Mbps desktop switch is designed for reliable high-performance networks with speeds 10 times faster than Fast Ethernet connections. With the non-blocking switching fabric in full-duplex mode, the maximum speed can reach up to 2000 Mbps per port, while the store-and-forward service brings low latency and error-free packet delivering.

Easy to connect multiple devices
GS-105B/GS-108B is a 5/8-Port desktop switch with plug-and-play capability. With the Nway auto-negotiation function, the GS-105B/GS-108B connects network counterparts with highest possible network speed and activates duplex mode automatically. You can easily connect networked devices such as PCs, network storages and print servers to the network without any manual configuration.

Energy saving via link status and cable length detection
GS-105B/GS-108B compliant with IEEE 802.3az Energy Efficient Ethernet standard provides power-saving benefits without compromising performance. GS-105B/GS-108B automatically reduces power usage when it detects any shut down network device or inactive link. That is the power consumption of GS-105B/GS-108B adjusts according to the number of active network devices.

The GS-105B/GS-108B can also detect the length of connected Ethernet cables and adjust power usage accordingly. The shorter the Ethernet cable length, the less power it consumes.
Specifications

System Specifications

Interface
- GS-105B: 5 x RJ-45 Gigabit Ethernet ports
- GS-108B: 8 x RJ-45 Gigabit Ethernet ports

Standard
- IEEE 802.3 10 Base-T Ethernet
- IEEE 802.3u 100 Base-TX Fast Ethernet
- IEEE 802.3ab Gigabit Ethernet
- IEEE 802.3 Nway auto-negotiation
- IEEE 802.3x full duplex operation and flow control
- IEEE 802.1p QoS Priority
- 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: 8K
  - GS-108B: 8K
- Memory buffer:
  - GS-105B: 128K
  - GS-108B: 128K
- Switching fabric (non-blocking):
  - GS-105B: 10 Gbps
  - GS-108B: 16 Gbps

Features
- Auto-MDI/MDIX on all ports
- Transmission method: Store-and-forward architecture
- Loop detection support
- IEEE 802.1p QoS Priority
- IEEE 802.3az Energy Efficient Ethernet
- IEEE 802.3 Nway auto-negotiation
- IEEE 802.3x full duplex operation and flow control
- IEEE 802.1p QoS Priority
- IEEE 802.3az Energy Efficient Ethernet

Hardware Specifications

- LED Indicator
- PWR: power
- Per port: link/ activity
- Power supply: external switching power adapter
- GS-105B:
  - Input: 100-240V AC
  - Output: 5V DC, 1A
- GS-108B:
  - Input: 100-240V AC
  - Output: 5V DC, 1A
- Power consumption:
  - GS-105B: 2.33 Watt max
  - GS-108B: 3.17 Watt max

Physical Specifications

GS-105B
- Item dimensions (WxDxH):
  - 127 x 82 x 95 mm (5.0” x 3.2” x 3.7”)
- Item weight: 398g (0.88 lbs)

GS-108B
- Item weight: 382g (0.84 lbs)
- Item dimensions (WxDxH):
  - 154.5 x 85 x 26 mm (6.1” x 3.3” x 1.0”)
- Packing weight: 513g (1.13 lbs)
- Packing dimensions (WxDxH):
  - 161 x 90 x 95 mm (6.3” x 3.5” x 3.7”)

Environmental Specifications

- Operating environment:
  - Temperature: 0°C to 50°C (32°F to 122°F)
  - Humidity: 10% to 95% (Non-condensing)
- Storage environment:
  - Temperature: -40°C to 70°C (-40°F to 158°F)
  - Humidity: 10% – 95% (Non-condensing)

Certification
- CE, FCC, C-Tick

Package Contents
- Gigabit switch
- Power adapter
- User’s guide
- Warranty card

Application Diagram