

ZyXEL



Easy and Reliable Gigabit Network Expansion for SOHO

- 5/8 Auto-sensing 10/100/1000 Mbps Full-duplex, Auto MDI/MDI-X Ports
- Full Wire-speed Store-and-Forward Technology Support
- True Plug-and-Play Installation



Benefits

Up to 2000 Mbps Bandwidth per Port

The GS-105A/GS-108A desktop 10/100/1000Mbps switches are designed to establish a reliable high performance network. Thanks to the non-blocking switching fabric, in full-duplex mode, the maximum speed can reach up to 2000Mbps per port. Store-and-Forward service brings low latency and error-free packet delivery. All features above power efficiency of transmission dramatically.

Hassle-free Installation

With the N-way auto-negotiation function, the GS-105A/GS-108A automatically connects to its network counterparts with the highest possible network speed and activates duplex mode automatically. All it takes to enliven your network is just plugging in the cable with no manual configuration required.

Compact and Stylish Design

The stylish compact metal housing fits into any working environment. GS-105A/GS-108A comes with different port configuration for affordable and reliable SOHO network expansion needs.

5/8-port Desktop Gigabit Switch

GS-105A
GS-108A

SWITCH



Specifications

System Specifications

Standards

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab Gigabit Ethernet
- ANSI/IEEE 802.3 Auto-negotiation
- IEEE 802.3x Flow Control

Interface

- 5 10/100/1000BASE-T RJ-45 Ethernet ports (GS-105A)
- 8 10/100/1000BASE-T RJ-45 Ethernet ports (GS-108A)

Media Interface Exchange

- MDI-II/MDI-X auto-adjustment for each port

Status LED

- Per Port: Link/Activity
- Per unit: PWR

Performance

Back Plane

- Non-Blocking full wire-speed forwarding rate 10 Gbps (GS-105A)
- Non-Blocking full wire-speed forwarding rate 16 Gbps (GS-108A)

Packet Forwarding Rate

- 14,880 pps for 10BASE-T/148,800 pps for 100BASE-TX, 1,488,000 pps for 1000BASE-T)
 - 7.4 Mpps (GS-105A)
 - 11.9 Mpps (GS-108A)

Switching Method

- Store-and-forward

Packet Buffer

- 112 KB (GS-105A)
- 144 KB (GS-108A)

MAC Address Table

- 8 K entries (GS-105A/GS-108A)

Power Requirements

GS-105A

- Power adapter: 12 VDC/1 A
- Power consumption: 3.96 W (max)

GS-108A

- Power adapter: 12 VDC/1 A
- Power consumption: 6.6 W (max)

Physical Specifications

GS-105A

- Dimensions: 160 (W) x 110 (D) x 26 (H) mm
- Weight: 430 g

GS-108A

- Dimensions: 160 (W) x 110 (D) x 26 (H) mm
- Weight: 450 g

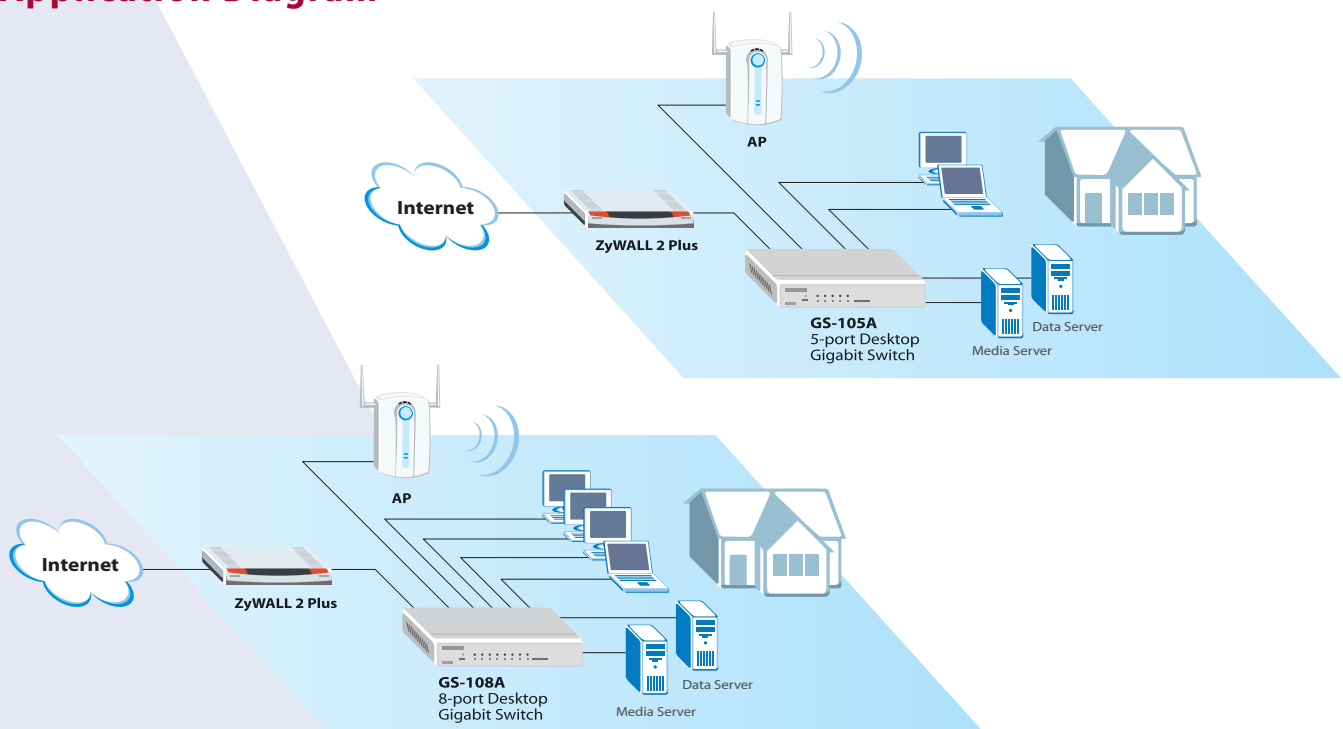
Environmental Specifications

- Operating temperature: 0°C ~ 45°C
- Operating humidity: 10% ~ 90% (Non-condensing)

Certification

- FCC Class A, CE, UL, CUL, C-Tick

Application Diagram



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