

GS-105A/GS-108A

5-port/8-port Desktop Gigabit Switch



ZyXEL 5-port and 8-port Gigabit Ethernet switches provide high flexibility and high bandwidth connectivity to servers, workstations and other attached devices. With Gigabit connectivity, the GS-105A and GS-108A speed up data transmission by transferring large files across a network while remaining interoperable with all 10, 100, and 1000Mbps devices. The compact designs fit easily on a desk or mount easily to a wall, and with true non-blocking switching capability, are ideal solutions for home and small office network applications.

Benefits

High Performance

With non-blocking switching and full duplex standard, the GS-105A/GS-108A reaches speeds of up to 2000Mbps on each port, good for today's and tomorrow's media-rich applications.

Simple to Use

The GS-105A/108A features auto-sensing 100/1000 Mbps ports that automatically detect the speed and duplex mode of attached servers, workstations, or hubs. Plug-and-Play functionality makes installation easy and fast.

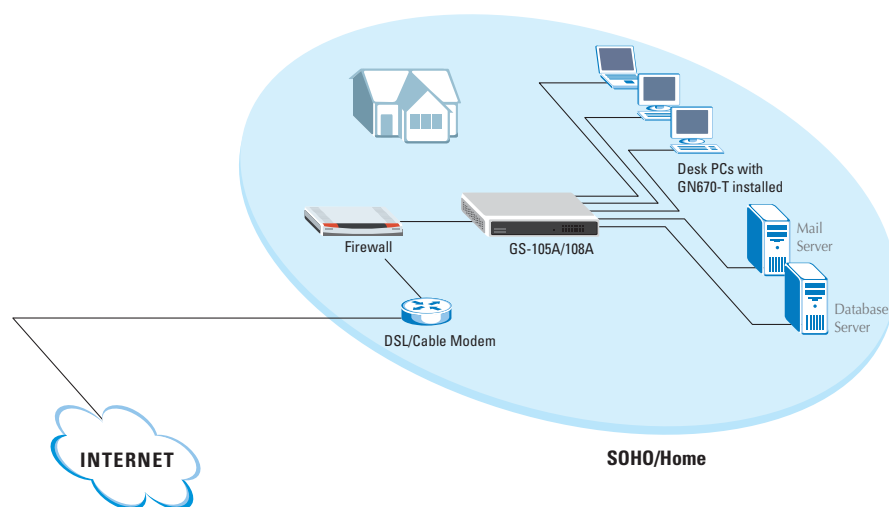
Smart Features

The IEEE 802.3x standard-based flow control allows the GS-105A/108A to prevent pending traffic congestion by informing attached devices to stop data transmission. When the switch detects that each port's buffer is nearly full, the attached devices are requested to wait until they can accept new data. Meanwhile, support for IEEE802.1p priority tagging optimizes quality of service.

Durable and Compact Design

The durable metal chassis with its compact design is sized to save space and easily fits on a desk or mounts to the wall. Flexible installation capabilities make the GS-105A/108A perfect for home and small business applications.

Application Diagram



Features

- Forwards and filters packets at non-blocking, full wire speed
- Optimizes quality of service with IEEE 802.1p priority tagging support
- IEEE802.3x flow control efficiently prevents pending traffic congestion
- Supports NWAY auto-negotiation to automatically set up network speed and protocol
- Auto-MDI/MDI-X automatically adjusts for straight-through or crossover cables
- Supports PC or Mac, OS (OS independent)

Specifications

Technical Specification

- Standard Compliance
 - IEEE 802.3 Ethernet
 - IEEE 802.3u Fast Ethernet
 - IEEE 802.3ab Gigabit Ethernet
 - IEEE 802.3x Flow Control
- RJ 45 Interface
 - 10BASE-T, 100BASE-TX & 1000BASE-T
 - UTP/STP Cable Recognition for straight-through or crossover cables (Auto MDI/MDI-X on each port)
- MAC Address Size: 4K
- Back-plane Bandwidth
 - 10Gbps (GS-105A)
 - 16Gbps (GS-108A)
- Switching Method
 - Store-and-Forward
- Packet Buffer Memory: 1Mbps
- Packet Forwarding Rate
 - 14,880pps for 10BASE-T
 - 48,800pps for 100BASE-TX
 - 1,488,000pps for 1000BASE-T

Hardware Specification

- Network Ports
 - 5 ports 10/100/1000 Mbps (GS-105A)
 - 8 ports 10/100/1000 Mbps (GS-108A)
- LEDs Indicators
 - Speed (100/1000), Activity/Link, Duplex/Collision for each port
 - Power indicator for each unit

Power Requirement

- Power Consumption
 - Max. 7.5W (GS-105A)
 - Max.13.2 Watt (GS-108A)
- Power Supply
 - 12V DC/1.3A

Physical Specification

- Dimensions: 165(L) x100(D) x 32.5(H) mm
- Weight: 0. 6Kg (GS-105A); 1Kg (GS-108A)

Operating Environment

- Temperature: 0°C ~ 45°C (32° ~ 113°F)
- Humidity: 10% to 90% (non-condensing)

Certification

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

System Requirement

- UTP/STP CAT 5 cable or better
- Network adapter for each PC or server



Corporate Headquarters
ZyXEL Communications Corp.
 Tel: +886-3-578-3942
 Fax: +886-3-578-2439
 Email: sales@zyxel.com.tw
 http://www.zyxel.com

Denmark
 Tel: +45 39 55 07 00 Fax: +45 39 55 07 07
 Email: sales@zyxel.dk
 http://www.zyxel.dk

Finland
 Tel: +358-9-4780 8400 Fax: +358-9-4780 8448
 Email: sales@zyxel.fi
 http://www.zyxel.fi

France
 Tel: +33 (0)4 72 52 97 97 Fax: +33 (0)4 72 52 19 20
 Email: info@zyxel.fr
 http://www.zyxel.fr

Germany
 Tel: +49 2405 6909 0 Fax: +49 2405 6909 99
 Email: sales@zyxel.de
 http://www.zyxel.de

North America
 Tel: +1-714-632-0882 Fax: +1-714-632-0858
 Email: sales@zyxel.com
 http://www.us.zyxel.com

Norway
 Tel: +47 22 80 61 80 Fax: +47 22 80 61 81
 Email: sales@zyxel.no
 http://www.zyxel.no

Spain
 Tel: +34 902 195 420 Fax: +34 913 005 345
 Email: sales@zyxel.es
 http://www.zyxel.es

Sweden
 Tel: +46 31 744 7700 Fax: +46 31 744 7701
 Email: sales@zyxel.se
 http://www.zyxel.se