



## MG-105/MG-108

### 5 / 8-Port 2.5GbE Unmanaged Switch

The Zyxel 2.5 Gigabit Switch MG-105/MG-108 are the perfect candidates to upgrade your network speed and performance, bringing you up to 2.5 times faster experience than today's Gigabit network. Unlike traditional gigabit switches, our MG-105/MG-108 supports 2.5G for all its Ethernet ports which can boost the entire network performance up to 2.5Gbps at once without compromising to limited high-speed port availability. Out-of-the-box network speed upgrade turns MG-105/MG-108 into an optimal solution for home or small office users who needs more bandwidth for their network with demands coming from online gaming activities, multimedia streaming services or faster wireless network connectivity without the complex configuration.



Support 2.5GbE on all ports



Instantly upgrade speed up to 2.5 times



Increase home networking speed without extra cabling cost



Access Internet just plug-and-play



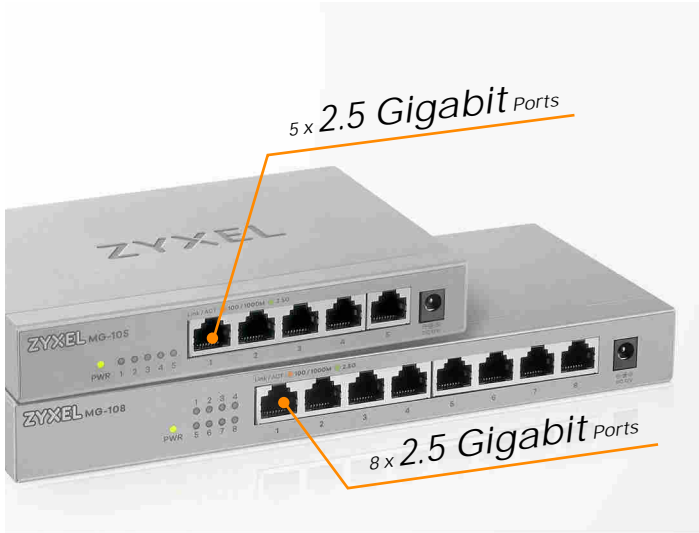
Silent and stable operation



# Benefits

## Upgrade Network to Multi-Gig

This family is equipped with Switches for both five (MG-105) and eight (MG-108) 2.5 Gigabit ports with optimized performance for auto-negotiation with up to Multi-Gigabit bandwidth (100M/1G/2.5G) and the Switches provide up to 25/40 Gbps of switching capacity. It is the ideal choice for LAN party, high performance entertainment experience and efficient SOHO network.



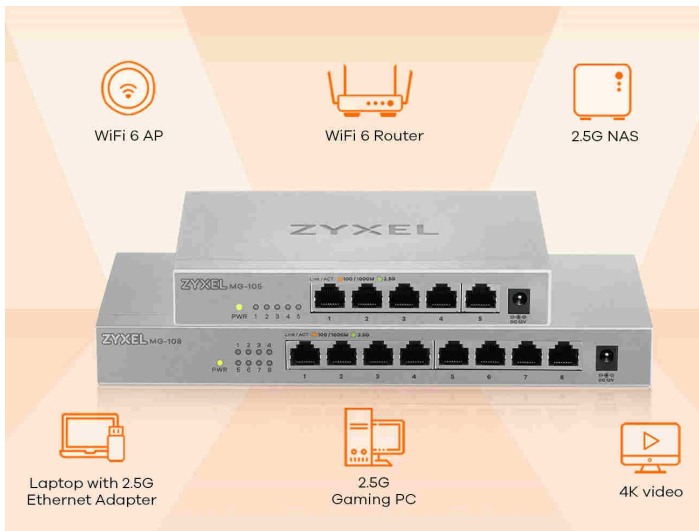
## Plug-and-play 2.5G connectivity for home networking

Easily connect MG-105 or MG-108 to the latest 2.5G-capable network devices and instantly enjoy high performance networking and smoother home entertainment experience with its simplified plug-and-play technology.



## Use your existing cables

Increasing new applications raise the demand for higher network speed requirement. The Multi-Gigabit RJ-45 ports not only provide more speed options for your network, but it can increase your home networking speed from current 1Gbps to 2.5Gbps without additional cabling fee!



## Fanless design for true silent operation

MG-105 and MG-108 are built with fanless and sturdy hardware design to ensure all-time silent and stable operation. They are perfect for any home or business environment.



# Application Diagram



## Specifications

### System Specifications

#### Standard

- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3bz 2.5GBASE-T
- IEEE 802.3x full duplex operation and flow control
- IEEE 802.1p QoS
- IEEE 802.3 Nway auto-negotiation

#### Performance

- Switching capacity:
  - MG-105: 25 Gbps
  - MG-108: 40 Gbps
- Switching forwarding rate:
  - MG-105: 18.6 Mpps
  - MG-108: 29.8 Mpps
- MAC address table: 16 K
- Packet buffer: 12Mb
- Jumbo frame supports up to 12 KB

#### Features

- 100M, 1G and 2.5G ports for multi speed
- Fanless and quiet
- Plug and Play, Easy use and Quick Install
- Desktop and Wall mount
- Auto-MDI/MDIX in all ports

### Hardware Specifications

#### Interface

- MG-105:  
Five RJ-45 100/1000/2500 Mbps Ethernet ports with auto MDI/MDIX support
- MG-108:  
Eight RJ-45 100/1000/2500 Mbps Ethernet ports with auto MDI/MDIX support

#### LED Indicator

- PWR: Power
- Per port: Link/Activity
  - Amber: 100/1000 Mbps
  - Green: 2.5 Gbps

#### Power Supply

- AC-to-DC external power adapter
- Input: 100 - 240V AC, 50/60 Hz
- Output: 12V DC/1.5A

#### Power Consumption

- MG-105: 9.34 watt max.
- MG-108: 12.24 watt max.

### Physical Specifications

- Item dimensions (WxDxH):
  - MG-105:  
160 x 110 x 26 mm  
(6.3" x 4.33" x 1.02")
  - MG-108:  
240 x 106 x 26 mm  
(9.45" x 4.13" x 1.02")
- Item weight:
  - MG-105: 460 g (1.01 lb.)
  - MG-108: 640 g (1.41 lb.)

- Packing dimensions (WxDxH):
  - MG-105:  
215 x 133 x 79 mm  
(8.46" x 5.24" x 3.11")
  - MG-108:  
256 x 132 x 78 mm  
(10.08" x 5.2" x 3.07")
- Packing weight:
  - MG-105: 919.6 g (2.03 lb.)
  - MG-108: 1,122 g (2.47 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 95% (non-condensing)

### Certification

- CE, EAC, FCC, BSMI Class B

### Package Contents

- Switch
- Power adapter
- Quick Start Guide
- Safety warning and DoC

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

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