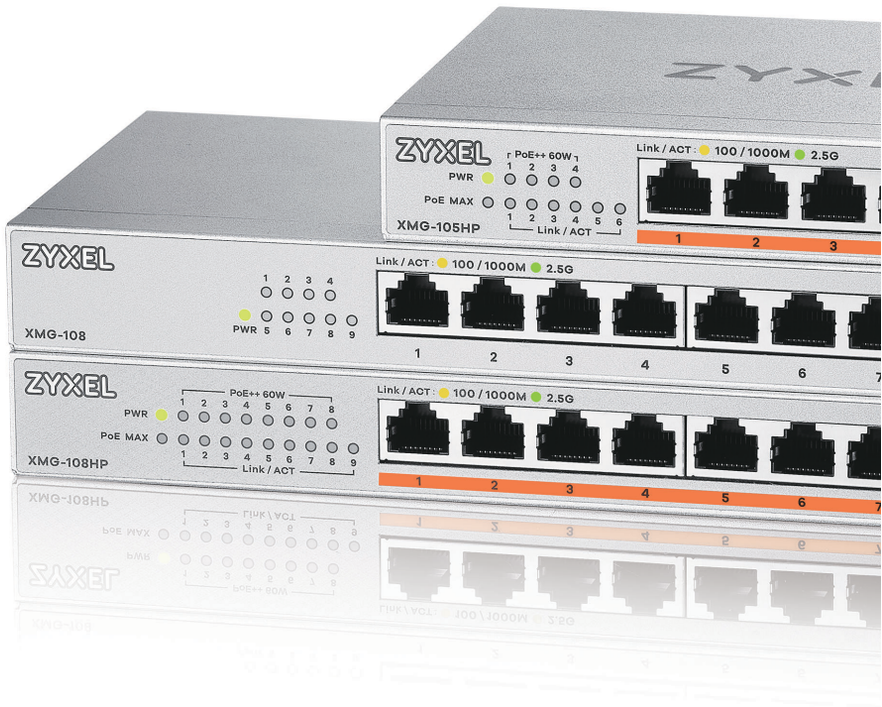


XMG-100 Series

5/8-Port 2.5G Unmanaged Switch with 10G Uplink

The Zyxel XMG-100 Series 2.5 Gigabit switch is designed to upgrade and expand network to a higher speed and better performance network. It is the most ideal choice for home, SOHO, or small office users who need more bandwidth for their network with demands coming from online gaming activities, multimedia streaming services or faster wireless network connectivity. All ports are equipped with 2.5 Gigabit Ethernet speed, allowing easy network speed upgrade. In addition, this Series offers an extra SFP+ slot for high-bandwidth network uplink or access to a Network-Attached Storage (NAS).

Benefits

Move to blazing-fast Multi-Gig network immediately

The XMG-100 Series of 2.5G Multi-Gig unmanaged switch includes 5- and 8-port, PoE and non-PoE models. These switches are equipped with Multi-Gig ports supported up to 2.5G with auto-negotiation for 3-speed (100M/1G/2.5G) to optimize performance for your network devices including WiFi 6/6E AP, 2.5G CPE, 2.5G NAS/Server, 4K streaming, desktop with 2.5G NIC, gaming console, VR gaming, and so on.

Extra 10G connectivity for flexible home or office applications

This Series of switch features one 10-Gigabit SFP+ port for high-bandwidth network uplink or access to a NAS device, it's perfect for the multimedia design workplace or advanced home networking setup.

- Full speed 2.5G Ethernet ports for WiFi 6/6E router or AP connections
- Extra 10G SFP+ for NAS or Uplink connectivity
- 70 W or 100 W power budget with 802.3bt PoE++ (60 W) ports to power up versatile PD devices
- Increase home networking speed up to 2.5X without extra cabling cost
- Access Internet just plug-and-play, no configuration required
- Silent, stable, and power-efficient operation

Easily to connect power-hungry devices

Meet the ideal companions for Multi-Gig WiFi 6/6E Access Points - the XMG-105HP and XMG-108HP switches. With 4/8 uninterrupted PoE++ (60 W) ports and a budget-friendly PoE budget of 70 W and 100 W respectively, deploying PoE devices like PTZ cameras, access points, and IoT devices has never been easier. These switches are the perfect solution to seamlessly connect Multi-Gig WiFi 6/6E access points at lightning-fast 2.5G speeds, ensuring your network runs smoothly and efficiently.

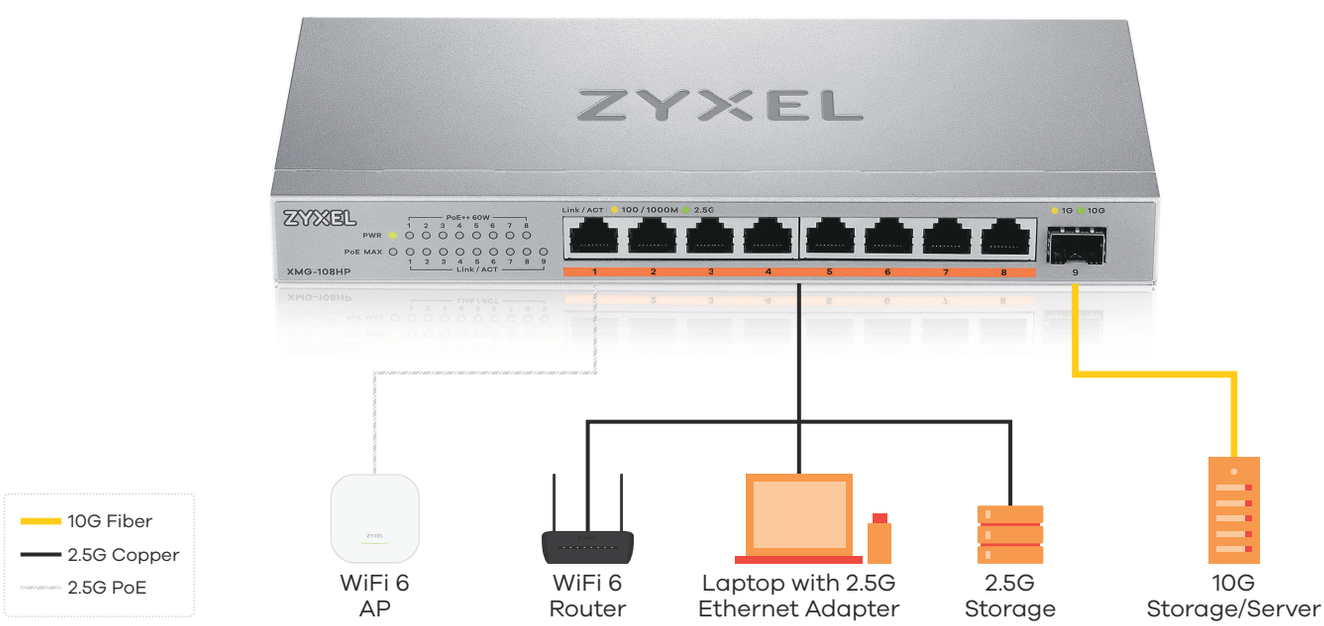
Silent Multi-Gig operation

The XMG-100 Series is built with fanless and sturdy hardware design to ensure all-time silent and stable operation. They are perfect for noise-free working environments such as home or business.

Plug-and-play to boost 2.5X network speed

Easily connect XMG-100 Series Switch to the latest 2.5G–capable network devices and instantly enjoy high performance networking and smoother home entertainment experience such as Buffer-Free 4K streaming or lag-free LAN party with its simplified plug-and-play technology. In addition, you can use your current Cat 5e cables to increase your home networking speed from current 1 Gbps to 2.5 Gbps without additional cabling fee!

Application Diagram



Specifications

Model		XMG-105HP	XMG-108	XMG-108HP
Product name		5-Port 2.5G PoE Unmanaged Switch with 10G Uplink	8-Port 2.5G Unmanaged Switch with 10G Uplink	8-Port 2.5G PoE Unmanaged Switch with 10G Uplink
Port Density				
Total port count		6	9	9
2.5GBASE-T		5	8	8
1G SFP/10G SFP+		1	1	1
PoE				
IEEE 802.3bt (PoE++, 60 W)		4	-	8
Total PoE budget (watts)		70	-	100
Performance				
Switching capacity (Gbps)		45	60	60
Forwarding rate (Mpps)		33.5	44.6	44.6
Packet buffer (byte)		1 MB	1 MB	1 MB
MAC address table		4 K	4 K	4 K
Jumbo frame (byte)		12 K	12 K	12 K
Power				
Input		100 - 240 V AC, 50/60 Hz	100 - 240 V AC, 50/60 Hz	100 - 240 V AC, 50/60 Hz
Power supply		External	External	External
Max. power consumption (watts)		90	9.12	120
Min. power consumption (watts)		1.62	1.56	2.74
Physical Specifications				
Item	**Dimensions (WxDxH)(mm/in)**	160 x 110 x 26/ 6.30 x 4.33 x 1.02	240 x 105 x 27/ 9.45 x 4.13 x 1.06	240 x 105 x 27/ 9.45 x 4.13 x 1.06
	Weight (kg/lb.)	0.492/1.09	0.662/1.46	0.715/1.58
Green Features				
Fanless		Yes	Yes	Yes
Environmental Specifications				
Operating	**Temperature**	-20°C to 40°C/ -4°F to 104°F	-20°C to 40°C/ -4°F to 104°F	-20°C to 40°C/ -4°F to 104°F
	Humidity	10% to 95% (non-condensing)	10% to 95% (non-condensing)	10% to 95% (non-condensing)
Storage	**Temperature**	-40°C to 70°C/ -40°F to 158°F	-40°C to 70°C/ -40°F to 158°F	-40°C to 70°C/ -40°F to 158°F
	Humidity	5% to 95% (non-condensing)	5% to 95% (non-condensing)	5% to 95% (non-condensing)
MTBF (hr)		1,255,904	1,647,776	858,634
Heat dissipation (BTU/hr)		56.27	33.61	91.10

Standard

- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3z 1000BASE-X
- IEEE802.3ab 1000BASE-T
- IEEE 802.3bz 2.5GBASE-T
- IEEE 802.3ae 10 Gbit/s Ethernet over fiber
- IEEE 802.3af PoE
- IEEE 802.3at PoE plus
- IEEE 802.3bt (60 W) PoE over 4 pair
- IEEE 802.3x full duplex operation and flow control
- IEEE 802.1p QoS
- IEEE 802.3 Nway auto-negotiation
- IEEE 802.3az Energy Efficient Ethernet (deactivated by default)

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
- Loop detection

LED Indicator

- PWR
- Per-port Link/ACT
- PoE MAX (PoE model only)
- Per-port PoE (PoE model only)

Certification

- CE, EAC, FCC, BSMI Class B

Package Contents

- Switch
- Power adapter
- Quick start guide
- Safety warning and doc.

Accessories

Transceivers (Optional)

Model	Speed	Connector	Wavelength	Max. Distance	DDMI
SFP10G-SR	10 Gigabit	Duplex LC	850 nm	0.3 km (328 yd)	Yes
SFP10G-SR-E	10 Gigabit	Duplex LC	850 nm	0.3 km (328 yd)	Yes
SFP10G-LR	10 Gigabit	Duplex LC	1310 nm	10 km (10936 yd)	Yes
SFP10G-LR-E	10 Gigabit	Duplex LC	1310 nm	10 km (10936 yd)	Yes
SFP-1000T	Gigabit	RJ-45	-	0.1 km (109 yd)	-
SFP-SX-D	Gigabit	Duplex LC	850 nm	0.55 km (601 yd)	Yes
SFP-SX-E	Gigabit	Duplex LC	850 nm	0.55 km (601 yd)	Yes
SFP-LX-10-D	Gigabit	Duplex LC	1310 nm	10 km (10936 yd)	Yes
SFP-LX-10-E	Gigabit	Duplex LC	1310 nm	10 km (10936 yd)	Yes
SFP-LHX1310-40-D	Gigabit	Duplex LC	1310 nm	40 km (43744 yd)	Yes
SFP-ZX-80-D	Gigabit	Duplex LC	1550 nm	80 km (87488 yd)	Yes
SFP-BX1310-10-D	Gigabit	Single LC	1310 nm (Tx); 1490 nm (Rx)	10 km (10936 yd)	Yes
SFP-BX1310-E	Gigabit	Single LC	1310 nm (Tx); 1550 nm (Rx)	20 km (21872 yd)	Yes
SFP-BX1490-10-D	Gigabit	Single LC	1490 nm (Tx); 1310 nm (Rx)	10 km (10936 yd)	Yes
SFP-BX1550-E	Gigabit	Single LC	1550 nm (Tx); 1310 nm (Rx)	20 km (21872 yd)	Yes

Direct Attach Cables (Optional)

Model	Connector	Cable Length
DAC10G-1M	SFP+ to SFP+	1 m (39.37 inch)
DAC10G-3M	SFP+ to SFP+	3 m (118.11 inch)

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

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