

ZYXEL
NETWORKS



Empower Your Connected Devices

Desktop Switch
Product Guide

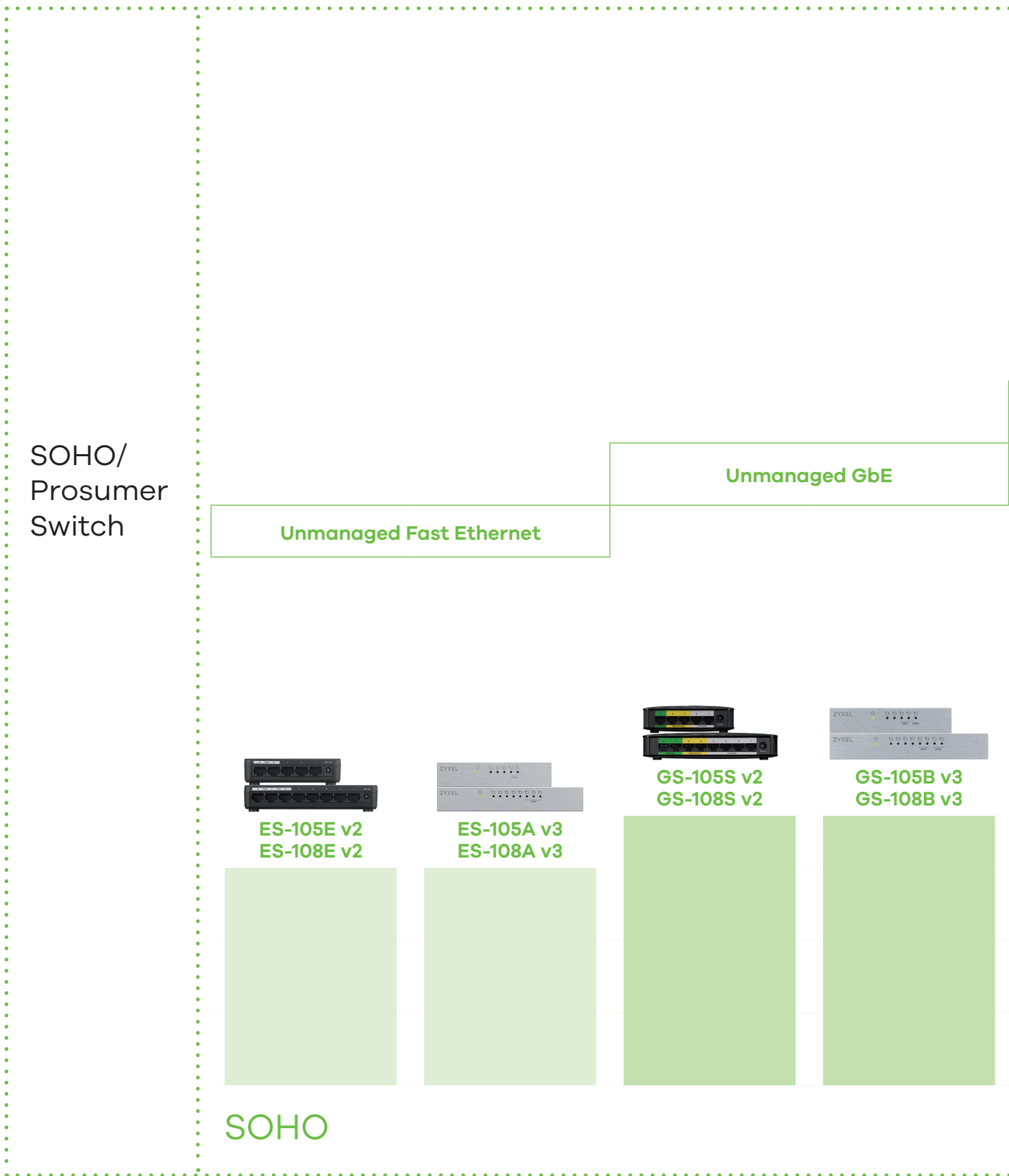


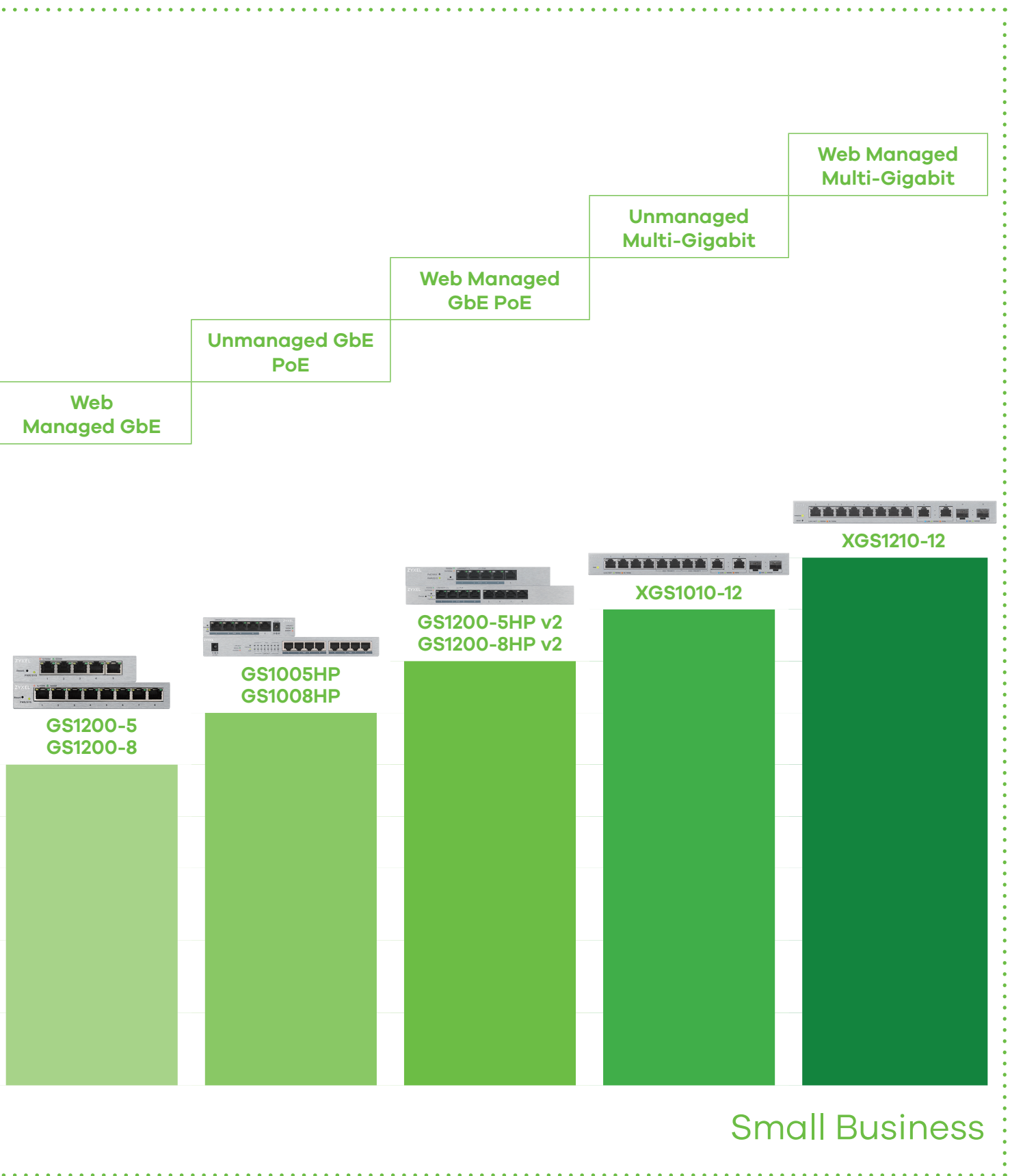
Switch for every network

Zyxel offers a full line of high performance and reliable switching solutions to meet all your network needs. The Zyxel switching portfolio includes unmanaged/smart managed, Fast Ethernet, Multi-gigabit and Gigabit PoE switches, all specially engineered for prosumer, SOHO, SMB and SB. The Zyxel switch solutions have mission-oriented design and a complete product portfolio to offer the best-fit solutions for networks of all sizes.



Switching Portfolio Lineup





Small Business



Small business network switches

Exceeding connection speed limits

Expand your wired network with Zyxel's switch series. Our small business switches consume minimal power, allowing you to save costs on your electrical bill. Enhanced for high-performance, fast wired networking and advanced functions, Zyxel switches are an excellent choice for any kind of small office with bandwidth-hungry wired devices.

The perfect mix of flexibility and stability

The Power of PoE+

The Zyxel's switches support the IEEE 802.3at standard, providing a maximum of 30 watts per port (with a max total power budget of 60 watts) to supply power to PoE network devices like wireless APs, IP cameras and VoIP phones.



Easy Management with Our Web-Based Setup Wizard

The Zyxel managed switches come with a user-friendly web-based setup interface that walks you quickly and easily through setup, configuration, and management—including configuration backups and firmware upgrades.



Virtual LAN for Enhanced Network Security

VLAN (virtual local area network) can be used to separate traffic within a business such as isolating resources between network administrators and general users, between employees, and/or public guest users.



Multicast IGMP Snooping v1/v2/v3 Compatible for Streaming Applications

Based on the Internet Group Management Protocol query and report messages, the switch forwards traffic only to the ports that request the multicast traffic rather than to all ports. This helps optimize multicast performance and is especially useful for bandwidth-intensive IP multicast applications.





SOHO network switches

Expand wired connectivity for SOHO networks

The Zyxel SOHO switch series combines power, style, and simplicity in one box. Give stable, plug-and-play network connectivity to small offices and home offices. The Zyxel SOHO switches provide users power to grow number connected of devices anywhere in the home and workplaces without the hassle.

Combine power and simplicity in one box

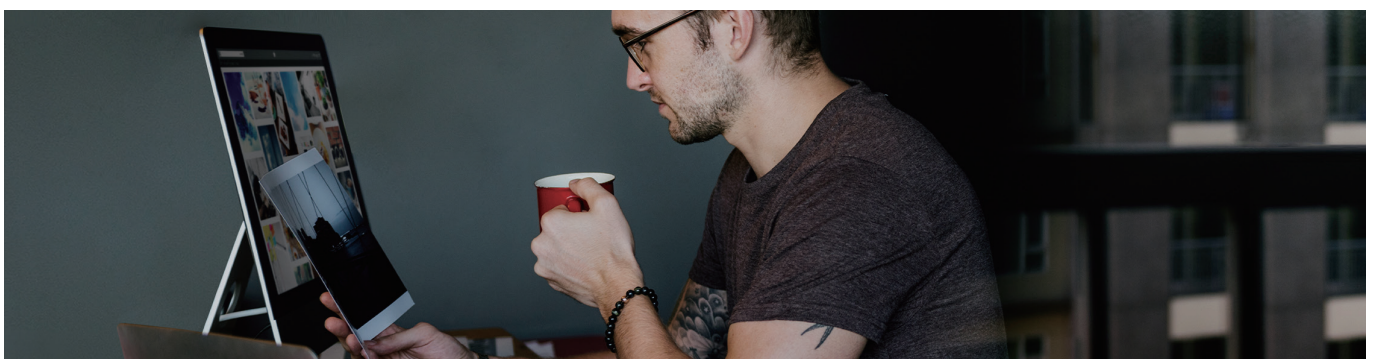
Connect Multiple Devices with High Speed and Reliability

The Zyxel SOHO switch network experience for small and home offices. With the simple plug and play design, you can setup the entire network easily and connect multiple network devices together in just minutes to expand your network as needed.



Fanless, Noiseless Design and Energy-Saving at Work

Extend your network without disrupting your quiet business environment. The Zyxel switch features a fanless design that ensures noiseless operation and greater reliability over time with high quality hardware design. Built-in IEEE 802.3az Energy Efficient Ethernet (EEE) function automatically detects network traffic and reduces power usage during low link utilization periods.



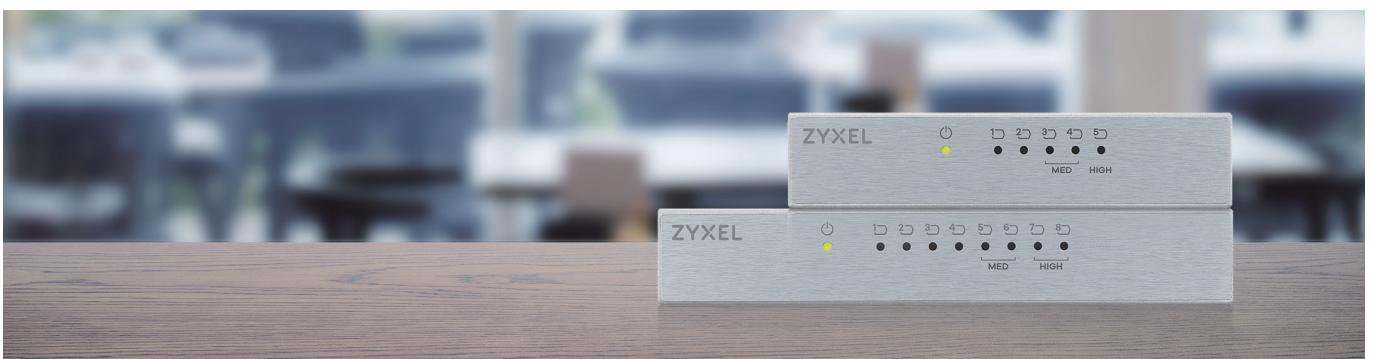
Enhanced Port Based QoS for Better Traffic Control

QoS is the ability to ensure quality network performance by classifying network traffic based on its applications. Voice and video traffic are granted higher priority over data traffic to provide greater user experience for streaming services.











Reliable Switches Fulfilling Different Needs



Zyxel switches are designed to offer a durable connectivity and functionality for different business needs. Switches are equipped with QoS and IGMP snooping to provide users with high performance and additional flexibility for SMB users. Plug and play design, easy to manage, fully advanced features to improve your networking experience, Zyxel offers an extensive portfolio of switches with different link speeds which are excellent for adoption into hospitality and small office.





Switches Feature Matrix

Model	XGS1010-12	XGS1210-12	GS1200-5HP v2	GS1200-8HP v2
Description	 12-Port Unmanaged Multi-Gigabit Switch with 2-Port 2.5G and 2-Port 10G SFP+	 12-Port Web-Managed Multi-Gigabit Switch with 2-Port 2.5G and 2-Port 10G SFP+	 5-Port Web Managed PoE Gigabit Switch	 8-Port Web Managed PoE Gigabit Switch
Case	Metal	Metal	Metal	Metal
Key Features				
Auto MDI/MDI-X	Yes	Yes	Yes	Yes
Store and Forward	Yes	Yes	Yes	Yes
Full Duplex Capability	Yes	Yes	Yes	Yes
Flow Control	Yes	Yes	Yes	Yes
Hardware				
10/100 Mbps Ethernet Ports	-	-	-	-
10/100/1000 Mbps Ethernet Ports	8	8	5	8
100/1000/2500 Mbps Ethernet Ports	2	2	-	-
10 Gigabit SFP+	2	2	-	-
10/100/1000 Mbps Ethernet PoE+ Ports	-	-	4	4
Performance				
Switching Capacity	66 Gbps	66 Gbps	10 Gbps	16 Gbps
MAC Address	16 K	16 K	2 K	4 K
Memory Buffer	1.5 MB	1.5 MB	128 KB	192 KB
Jumbo Frames	12 KB	12 KB	Up to 9 KB	Up to 9 KB
System Features				
Web GUI	-	Yes	Yes	Yes
802.3x Flow Control	-	Yes	Yes	Yes
DHCP Client	-	Yes	Yes	Yes
802.1Q VLAN	-	Yes	Yes	Yes
WRR Priority QoS	-	Yes	Yes	Yes
Port-based QoS	Yes	Yes	Yes	Yes
802.1p CoS	-	Yes	Yes	Yes
Broadcast Storm Control	-	Yes	Yes	Yes
Loop Detection/Prevention	-	Yes	Yes	Yes
IGMP Snooping v1/v2/and v3 Compatible	-	Yes	Yes	Yes
Link Aggregation	-	Yes	Yes	Yes
Port Mirroring	-	Yes	Yes	Yes
Green Features				
Fanless	Yes	Yes	Yes	Yes
Power Saving by Detecting Link Status & Cable Length	Yes	Yes	Yes	Yes
Dimensions (WxDxH)(mm)				
Packaging/Product	210 x 132 x 78/193 x 84 x 26	256 x 132 x 78/240 x 105 x 26	210 x 132 x 78/193 x 84 x 26	256 x 132 x 78/240 x 105 x 26

Model	GS1200-5	GS1200-8	GS1005HP	GS1008HP
Description	 5-Port Web Managed Gigabit Switch	 8-Port Web Managed Gigabit Switch	 5-Port Gigabit Unmanaged PoE Switch	 8-Port Gigabit Unmanaged PoE Switch
Case	Metal	Metal	Metal	Metal
Key Features				
Auto MDI/MDI-X	Yes	Yes	Yes	Yes
Store and Forward	Yes	Yes	Yes	Yes
Full Duplex Capability	Yes	Yes	Yes	Yes
Flow Control	Yes	Yes	Yes	Yes
Hardware				
10/100 Mbps Ethernet Ports	-	-	-	-
10/100/1000 Mbps Ethernet Ports	5	8	5	8
10/100/1000 Mbps Ethernet PoE+ Ports	-	-	4	8
Performance				
Switching Capacity	10 Gbps	16 Gbps	10 Gbps	16 Gbps
MAC Address	2 K	4 K	2 K	4 K
Memory Buffer	128 KB	192 KB	128 KB	192 KB
Jumbo Frames	Up to 9 KB	Up to 9 KB	9 KB	9 KB
System Features				
Web GUI	Yes	Yes	-	-
802.3x Flow Control	Yes	Yes	Yes	Yes
DHCP Client	Yes	Yes	-	-
802.1Q VLAN	Yes	Yes	-	-
WRR Priority QoS	Yes	Yes	-	-
Port-based QoS	Yes	Yes	Yes	Yes
802.1p CoS	Yes	Yes	-	-
Broadcast Storm Control	Yes	Yes	-	-
Loop Detection/Prevention	Yes	Yes	-	-
IGMP Snooping v1/v2/and v3 Compatible	Yes	Yes	-	-
Link Aggregation	Yes	Yes	-	-
Port Mirroring	Yes	Yes	-	-
Green Features				
Fanless	Yes	Yes	Yes	Yes
Power Saving by Detecting Link Status & Cable Length	Yes	Yes	Yes	Yes
Dimensions (WxDxH)(mm)				
Packaging/Product	127 x 82 x 95/121 x 75 x 26	161 x 90 x 95/155 x 85 x 26	210 x 132 x 78/121 x 75 x 26	256 x 132 x 78/240 x 105 x 26

Model	GS-105B v3	GS-108B v3	GS-105S v2	GS-108S v2
Description	 5-Port Desktop Gigabit Ethernet Switch	 8-Port Desktop Gigabit Ethernet Switch	 5-Port Desktop Gigabit Ethernet Switch	 8-Port Desktop Gigabit Ethernet Switch
Case	Metal	Metal	Plastic	Plastic
Key Features				
Auto MDI/MDI-X	Yes	Yes	Yes	Yes
Store and Forward	Yes	Yes	Yes	Yes
Full Duplex Capability	Yes	Yes	Yes	Yes
Flow Control	Yes	Yes	Yes	Yes
Hardware				
10/100 Mbps Ethernet Ports	-	-	-	-
10/100/1000 Mbps Ethernet Ports	5	8	5	8
10/100/1000 Mbps Ethernet PoE+ Ports	-	-	-	-
Performance				
Switching Capacity	10 Gbps	16 Gbps	10 Gbps	16 Gbps
MAC Address	2 K	2 K	2 K	2 K
Memory Buffer	128 KB	192 KB	128 KB	192 KB
Jumbo Frames	Up to 9 KB	Up to 9 KB	Up to 9 KB	Up to 9 KB
System Features				
Web GUI	-	-	-	-
802.3x Flow Control	Yes	Yes	Yes	Yes
DHCP Client	-	-	-	-
802.1Q VLAN	-	-	-	-
WRR Priority QoS	-	-	-	-
Port-based QoS	Yes	Yes	Yes	Yes
802.1p CoS	-	-	-	-
Broadcast Storm Control	-	-	-	-
Loop Detection/Prevention	-	-	-	-
IGMP Snooping v1/v2/and v3 Compatible	-	-	-	-
Link Aggregation	-	-	-	-
Port Mirroring	-	-	-	-
Green Features				
Fanless	Yes	Yes	Yes	Yes
Power Saving by Detecting Link Status & Cable Length	Yes	Yes	Yes	Yes
Dimensions (WxDxH)(mm)				
Packaging/Product	129 x 84 x 96/121 x 75 x 26	161 x 90 x 96/154.5 x 85 x 26	103 x 82 x 92/91 x 67.6 x 28.6	142 x 83 x 92/138.1 x 67.6 x 28.6

Model	ES-105A v3	ES-108A v3	ES-105E v2	ES-108E v2
Description	 5-Port Desktop Fast Ethernet Switch	 8-Port Desktop Fast Ethernet Switch	 5-Port Desktop Fast Ethernet Switch	 8-Port Desktop Fast Ethernet Switch
Case	Metal	Metal	Plastic	Plastic
Key Features				
Auto MDI/MDI-X	Yes	Yes	Yes	Yes
Store and Forward	Yes	Yes	Yes	Yes
Full Duplex Capability	Yes	Yes	Yes	Yes
Flow Control	Yes	Yes	Yes	Yes
Hardware				
10/100 Mbps Ethernet Ports	5	8	5	8
10/100/1000 Mbps Ethernet Ports	-	-	-	-
10/100/1000 Mbps Ethernet PoE+ Ports	-	-	-	-
Performance				
Switching Capacity	1 Gbps	1.6 Gbps	1.0 Gbps	1.6 Gbps
MAC Address	1 K	1 K	1 K	1 K
Memory Buffer	56 KB	56 KB	56 KB	56 KB
Jumbo Frames	-	-	-	-
System Features				
Web GUI	-	-	-	-
802.3x Flow Control	Yes	Yes	Yes	Yes
DHCP Client	-	-	-	-
802.1Q VLAN	-	-	-	-
WRR Priority QoS	-	-	-	-
Port-based QoS	Yes	Yes	Yes	Yes
802.1p CoS	-	-	-	-
Broadcast Storm Control	-	-	-	-
Loop Detection/Prevention	-	-	-	-
IGMP Snooping v1/v2/and v3 Compatible	-	-	-	-
Link Aggregation	-	-	-	-
Port Mirroring	-	-	-	-
Green Features				
Fanless	Yes	Yes	Yes	Yes
Power Saving by Detecting Link Status & Cable Length	Yes	Yes	Yes	Yes
Dimensions (WxDxH)(mm)				
Packaging/Product	127 x 82 x 95/121 x 75 x 26	161 x 90 x 95/154.5 x 85 x 26	99.1 x 67.6 x 28.6/103 x 82 x 92	138.1 x 67.6 x 28.6/142 x 83 x 92

Accessories

Network Adapter Series

Network Adapter PCIe Card	10 Gigabit SFP+	10G Gigabit Copper RJ-45
	XGN100F	XGN100C



Product name	10G Network Adapter PCIe Card with Single SFP+ Port	10G Network Adapter PCIe Card with Single RJ-45 Port
Port Attributes	10 Gigabit SFP+ port	RJ-45 for 100 Mbps/1 Gbps/2.5 Gbps/5 Gbps/10 Gbps Ethernet Port Auto-Negotiation: Speed
Standard	<ul style="list-style-type: none"> • IEEE 802.3ae • IEEE 802.1Q Tagged VLAN 	<ul style="list-style-type: none"> • IEEE 802.3an 10 Gbps Ethernet • IEEE 802.3bz 2.5 Gbps/5 Gbps Ethernet • IEEE 802.3ab Gigabit Ethernet • IEEE 802.3u Fast Ethernet • IEEE 802.3az Energy Efficient Ethernet • IEEE 802.1p Priority Queuing



Performance			
Jumbo frame		Up to 16 KB	Up to 16 KB
Quality of Service (QoS)		Yes	Yes
Features		<ul style="list-style-type: none"> • Compatibility with current network standards, including 10/5/2.5/1 Gbps and 100 Mbps • Support Windows® and Linux® • Built-in Quality of Service (QoS) technology 	<ul style="list-style-type: none"> • Jumbo frame and VLAN tagging support • Standard and low profile brackets included • Compatible with Windows® and Linux®
Supported OS		<ul style="list-style-type: none"> • Windows 7, 8, 8.1, 10 (32/64-bit) or Server 2012 • Linux kernels 3.11, 3.2, 4.15, 4.2, or 4.44 	<ul style="list-style-type: none"> • Windows 7, 8.0, 8.1, 10 (32/64-bit) or Server 2012 • Linux kernels 3.10, 3.12, 3.20, 4.2 or 4.4
Interface		<ul style="list-style-type: none"> • PCI Express Gen-3 (or 2) x 4 Host Bus Interface • 1 x 10 Gbps RJ-45 Ethernet port (Supported Speeds: 10 Gbps/5 Gbps/2.5 Gbps/1 Gbps/100 Mbps) • Pre-installed with full height bracket, also includes low profile bracket 	<ul style="list-style-type: none"> • PCI Express Gen-3 (or 2) x 4 Host Bus Interface • 1 x 10 Gbps SFP+ slot • Pre-installed with full height bracket, also includes low profile bracket

LED			
Speed	Amber	10G	5G/2.5G/1G/100M
	Green	1G	10G
Activity (XGN100F) Link/ACT (XGN100C)	Green	<ul style="list-style-type: none"> • Steady on - Cable plug-in & No Traffic • Blinking - Data receiving/transferring • Off - No cable plug-in or fail 	<ul style="list-style-type: none"> • Steady on - Cable plug-in & No Traffic • Blinking - Data receiving/transferring • Off - No cable plug-in or fail

Physical Specifications			
Item dimensions (WxDxH)(mm/in.)		82 x 62 x 18/3.22 x 2.44 x 0.7	82 x 68 x 18/3.22 x 2.67 x 0.7
Weight (g/lb.)		49/0.1	78/0.17

Environmental Specifications			
Operating environment	Temperature	0°C to 40°C/32°F to 104°F	0°C to 40°C/32°F to 104°F
	Humidity	0% to 90% (Non-condensing)	0% to 90% (Non-condensing)
Storage environment	Temperature	-40°C to 85°C/-40°F to 185°F	-40°C to 85°C/-40°F to 185°F
	Humidity	5% to 90% (Non-condensing)	0% to 90% (Non-condensing)

Cable Series

Direct Attached Cable 10G Series	DAC10G	
	DAC10G-1M	DAC10G-3M
		
Connector	SFP+ to SFP+	SFP+ to SFP+
Max. Transmission Distance (m/ft)	1/3.28	3/9.84
Operational Ranges		
Supply voltage	3.13 - 3.47 V	3.13 - 3.47 V
Max. current (mA)	480	480
Physical Specifications		
Item dimensions (WxDxH)(mm/in.)	14 x 58 x 11/0.55 x 2.30 x 0.43	14 x 58 x 11/0.55 x 2.30 x 0.43
Weight (g/lb.)	85/0.19	164/0.36
Environmental Specifications		
Operating temperature	0°C to 70°C/32°F to 158°F	0°C to 70°C/32°F to 158°F
Storage temperature	-40°C to 85°C/-40°F to 185°F	-40°C to 85°C/-40°F to 185°F

Transceiver Series

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

ZYXEL

NETWORKS

Corporate Headquarters

Zyxel Networks Corp.
Tel: +886-3-578-3942
Fax: +886-3-578-2439
Email: sales@zyxel.com.tw
www.zyxel.com

Europe

Zyxel Belarus
Tel: +375 25 604 3739
Email: info@zyxel.by
www.zyxel.by

Zyxel BeNeLux
Tel: +31 23 555 3689
Fax: +31 23 557 8492
Email: sales@zyxel.nl
www.zyxel.nl
www.zyxel.be

**Zyxel Bulgaria
(Bulgaria, Macedonia,
Albania, Kosovo)**
Tel: +3592 4443343
Email: info@cz.zyxel.com
www.zyxel.bg

Zyxel Czech Republic
Tel: +420 241 091 350
Hotline: +420 241 774 665
Fax: +420 241 091 359
Email: sales@cz.zyxel.com
www.zyxel.cz

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

Zyxel Finland
Tel: +358 9 4780 8400
Email: myynti@zyxel.fi
www.zyxel.fi

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

Zyxel Germany GmbH
Tel: +49 (0) 2405-6909 0
Fax: +49 (0) 2405-6909 99
Email: sales@zyxel.de
www.zyxel.de

Zyxel Hungary & SEE
Tel: +36 1 848 0690
Email: info@zyxel.hu
www.zyxel.hu

Zyxel Iberia
Tel: +34 911 792 100
Email: ventas@zyxel.es
www.zyxel.es

Zyxel Italy
Tel: +39 011 230 8000
Email: info@zyxel.it
www.zyxel.it

Zyxel Norway
Tel: +47 22 80 61 80
Fax: +47 22 80 61 81
Email: salg@zyxel.no
www.zyxel.no

Zyxel Poland
Tel: +48 223 338 250
Hotline: +48 226 521 626
Fax: +48 223 338 251
Email: info@pl.zyxel.com
www.zyxel.pl

Zyxel Romania
Tel: +40 31 0809 888
Fax: +40 31 0809 890
Email: info@cz.zyxel.com
www.zyxel.ro

Zyxel Russia
Tel: +7 499 705 6106
Email: info@zyxel.ru
www.zyxel.ru

Zyxel Slovakia
Tel: +421 220 861 847
Hotline: +421 220 861 848
Fax: +421 243 193 990
Email: info@cz.zyxel.com
http://www.zyxel.sk

Zyxel Sweden A/S
Tel: +46 8 55 77 60 60
Fax: +46 8 55 77 60 61
Email: sales@zyxel.se
www.zyxel.se

Zyxel Switzerland
Tel: +41 (0)44 806 51 00
Fax: +41 (0)44 806 52 00
Email: info@zyxel.ch
www.zyxel.ch

Zyxel Turkey A.S.
Tel: +90 212 314 18 00
Fax: +90 212 220 25 26
Email: bilgi@zyxel.com.tr
www.zyxel.com.tr

Zyxel UK Ltd.
Tel: +44 (0) 118 9121 700
Fax: +44 (0) 118 9797 277
Email: sales@zyxel.co.uk
www.zyxel.co.uk

Zyxel Ukraine
Tel: +380 89 323 9959
Email: info@zyxel.eu
www.zyxel.ua

Asia

**Zyxel China (Shanghai)
China Headquarters**
Tel: +86-021-61199055
Fax: +86-021-52069033
Email: sales@zyxel.cn
www.zyxel.cn

Zyxel China (Beijing)
Tel: +86-010-62602249
Email: sales@zyxel.cn
www.zyxel.cn

Zyxel China (Tianjin)
Tel: +86-022-87890440
Fax: +86-022-87892304
Email: sales@zyxel.cn
www.zyxel.cn

Zyxel India
Tel: +91-11-4760-8800
Fax: +91-11-4052-3393
Email: info@zyxel.in
www.zyxel.in

Zyxel Kazakhstan
Tel: +7 727 350 5683
Email: info@zyxel.kz
www.zyxel.kz

Zyxel Korea Corp.
Tel: +82-2-890-5535
Fax: +82-2-890-5537
Email: sales@zyxel.kr
www.zyxel.kr

Zyxel Malaysia
Tel: +603 2282 1111
Fax: +603 2287 2611
Email: sales@zyxel.com.my
www.zyxel.com.my

Zyxel Middle East FZE
Tel: +971 4 372 4483
Cell: +971 562146416
Email: sales@zyxel-me.com
www.zyxel-me.com

Zyxel Philippine
Email: sales@zyxel.com.ph
www.zyxel.com.ph

Zyxel Singapore
Tel: +65 6339 3218
Hotline: +65 6339 1663
Fax: +65 6339 3318
Email: sales@zyxel.com.sg
www.zyxel.com.sg

Zyxel Taiwan (Taipei)
Tel: +886-2-2739-9889
Fax: +886-2-2735-3220
Email: sales_tw@zyxel.com.tw
www.zyxel.com.tw

Zyxel Thailand
Tel: +66-(0)-2831-5315
Fax: +66-(0)-2831-5395
Email: info@zyxel.co.th
www.zyxel.co.th

Zyxel Vietnam
Tel: (+848) 35202910
Fax: (+848) 35202800
Email: sales_vn@zyxel.com.tw
www.zyxel.com/vn/vi/

The Americas

**Zyxel USA
North America Headquarters**
Tel: +1-714-632-0882
Fax: +1-714-632-0858
Email: sales@zyxel.com
us.zyxel.com

Zyxel Brazil
Tel: +55 (11) 3373-7470
Fax: +55 (11) 3373-7510
Email: comercial@zyxel.com.br
www.zyxel.com/br/pt/

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

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