

ZYXEL

Your Networking Ally

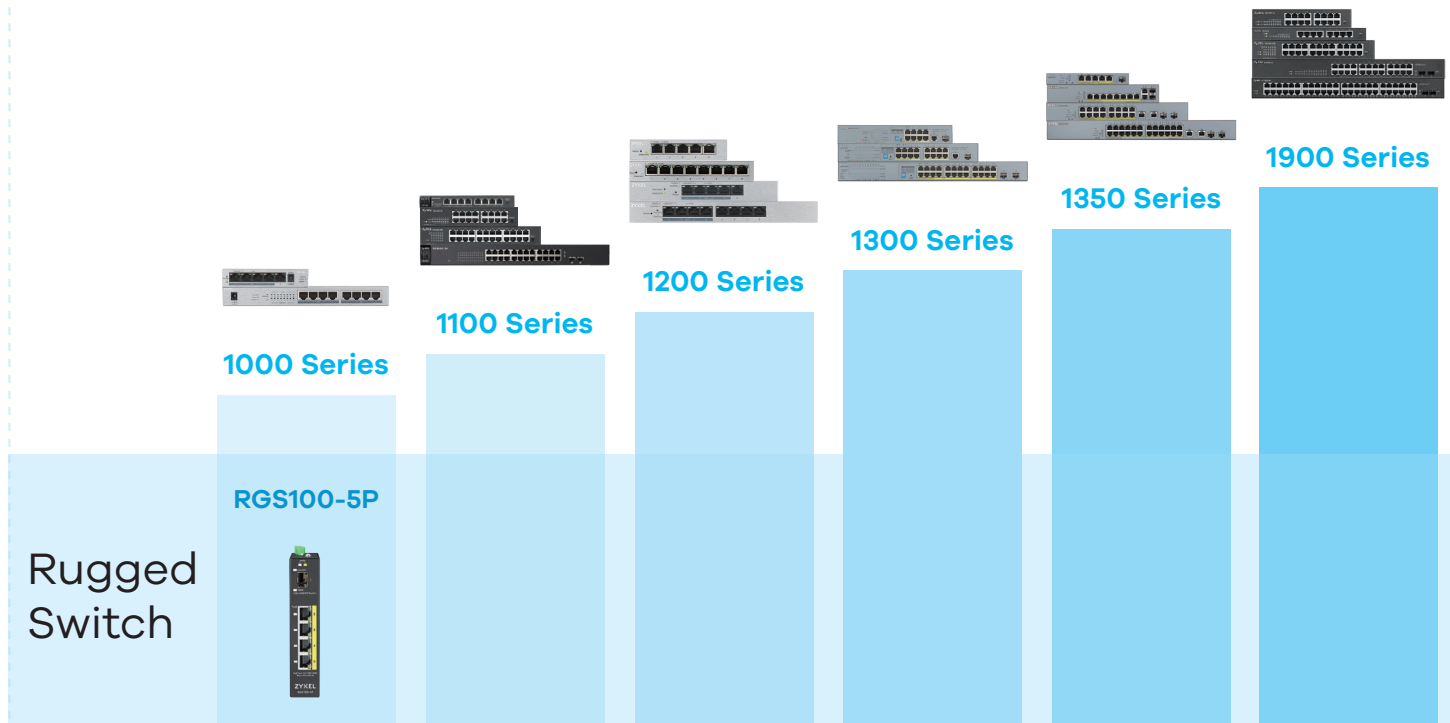
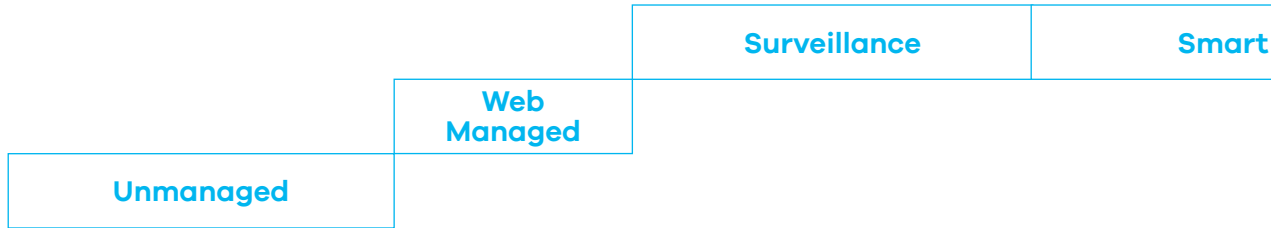


Switch

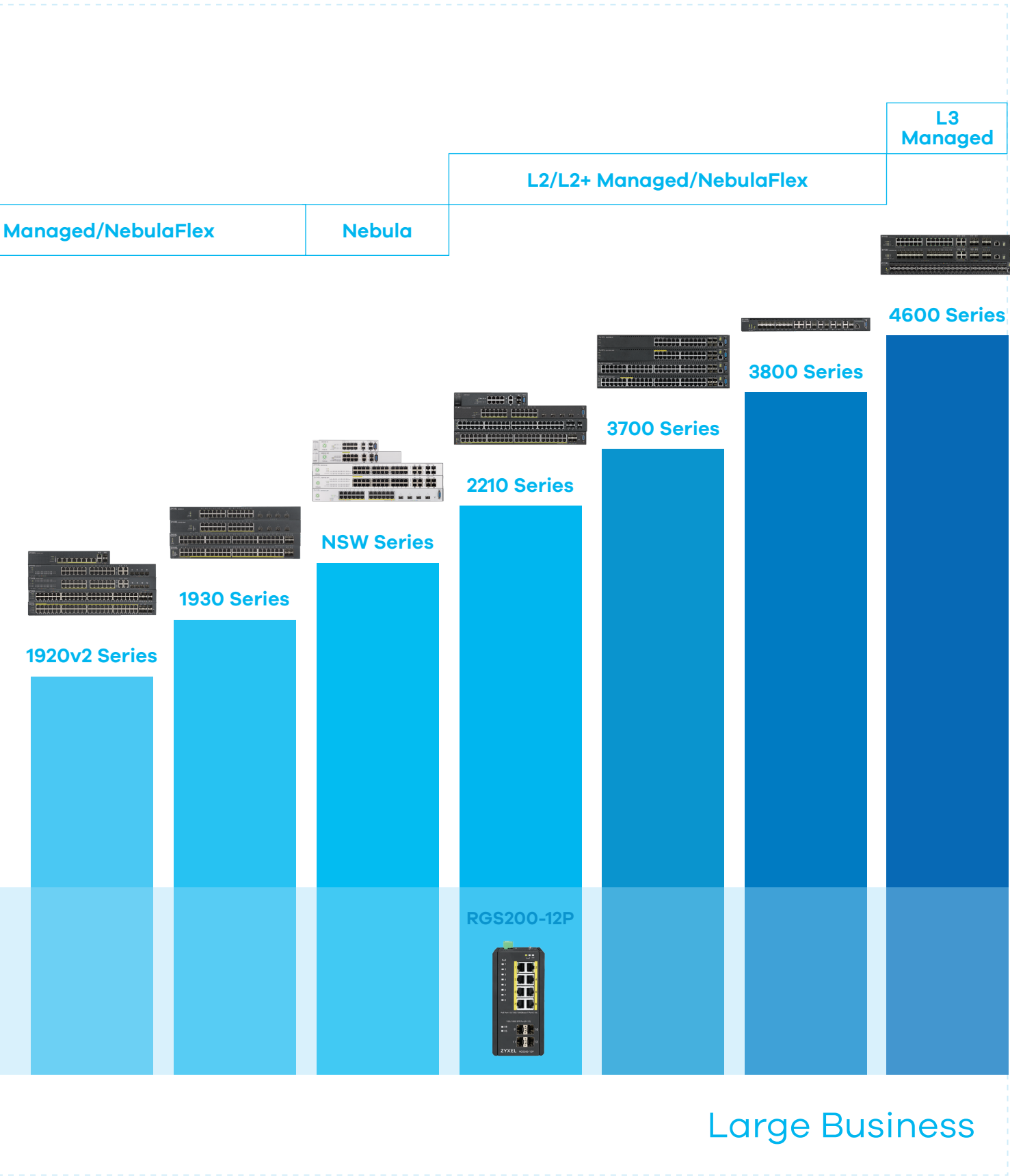
Quick Sales Guide

Switching Portfolio Lineup












Commercial Switch



Small Business






















Switch Quick Finder

Switch Class	Series	Performance	Model	
L3 Managed	4600 Series	Gigabit Ethernet with 10G Uplink	XGS4600-32	
			XGS4600-32F	
			XGS4600-52F	
L2+ Managed/ NebulaFlex	3800 Series	10 Gigabit Ethernet	XS3800-28	
L2+ Managed	3700 Series	Gigabit Ethernet with 10G Uplink	XGS3700-24	
			XGS3700-24HP	
			XGS3700-48	
			XGS3700-48HP	
L2 Managed	2210 Series	Gigabit Ethernet with 10G Uplink	XGS2210-28	
			XGS2210-28HP	
			XGS2210-52	
			XGS2210-52HP	

Key Features

Model	Ports	Key Features
XGS4600-32	24-port 1000BASE-T 4 x GbE combo ports 4 x 10G SFP+ slots	<ul style="list-style-type: none"> Four built-in 10G SFP+ uplinks enable congestion-free, smooth data delivery for high-bandwidth applications Dynamic routing protocols such as RIP and OSPF Multiple aggregation service options with 24-port copper/fiber and 48-port fiber selections
XGS4600-32F	24-port SFP slots 4 x GbE combo ports 4 x 10G SFP+ slots	<ul style="list-style-type: none"> Provides high-bandwidth with true physical stacking of up to 4 units L2 and L3 stacking capability to fulfill larger network deployment needs High resiliency with redundant power supply units Streamlined network initialization and troubleshooting by supporting ZON utility and Zyxel Smart Connect
XGS4600-52F	48-port SFP slots 4 x 10G SFP+ slots	<ul style="list-style-type: none"> Streamlined network initialization and troubleshooting by supporting ZON utility and Zyxel Smart Connect
XS3800-28	4-port Multi-Gigabit 16 x 10G SFP+ slots 8 x Multi-Gigabit combo ports	<ul style="list-style-type: none"> NebulaFlex gives you the flexibility to switch between standalone and our license-free Nebula cloud management (Available in Q3 2019) Nebula cloud management allows easy deployment, real-time configurations and effortless access to all your cloud devices anytime (Available in Q3 2019) Unique port combination enables the flexibility for diversity of network Support Multi-Gigabit for connection at 100M/1G/2.5G/5G/10G Physical stacking up to 4 units through the last four 10G combo ports High resiliency with redundant power supply units Restore to last custom default button eases the process of troubleshooting
XGS3700-24	24-port 1000BASE-T 4 x 10G SFP+ slots	<ul style="list-style-type: none"> Full Layer 2 feature set with Layer 3 features including static routing, policy-based routing, VRRP and ECMP support Physical stacking up to 8 units through 2 standard 10G SFP+ ports Four (4) 10GbE SFP+ uplink flexibility
XGS3700-24HP	24-port 1000BASE-T PoE 4 x 10G SFP+ slots	<ul style="list-style-type: none"> 24 or 48 ports of Gigabit Ethernet desktop connectivity Hot-swappable power supply module Internal redundant power supply design High PoE power budget up to 1000 W Streamlined network initialization and troubleshooting by supporting ZON utility and Zyxel Smart Connect
XGS3700-48	48-port 1000BASE-T 4 x 10G SFP+ slots	<ul style="list-style-type: none"> Streamlined network initialization and troubleshooting by supporting ZON utility and Zyxel Smart Connect
XGS3700-48HP	48-port 1000BASE-T PoE 4 x 10G SFP+ slots	
XGS2210-28	24-port 1000BASE-T 4 x 10G SFP+ slots	<ul style="list-style-type: none"> Gigabit connectivity, plus four (4) SFP+ ports to deal with high-bandwidth network with ease Physical stacking up to 2 units through 2 standard 10G SFP+ ports VLAN communication through access switch by static routing feature for agile, reliable network operations Supports sFlow that analyzes client behavior to discover source of bandwidth abuse Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection
XGS2210-28HP	24-port 1000BASE-T PoE 4 x 10G SFP+ slots	<ul style="list-style-type: none"> Supports sFlow that analyzes client behavior to discover source of bandwidth abuse Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection
XGS2210-52	48-port 1000BASE-T 4 x 10G SFP+ slots	<ul style="list-style-type: none"> Streamlined network initialization and troubleshooting by supporting ZON utility and Zyxel Smart Connect
XGS2210-52HP	48-port 1000BASE-T PoE 4 x 10G SFP+ slots	

















Switch Quick Finder

Switch Class	Series	Performance	Model		
L2 Managed	2210 Series	Gigabit Ethernet	GS2210-8		
			GS2210-8HP		
			GS2210-24		
			GS2210-24HP		
			GS2210-48		
			GS2210-48HP		
Cloud Managed	Nebula Series	Gigabit Ethernet with 10G Uplink	NSW200-28P		
		Gigabit Ethernet	NSW100-10		
			NSW100-10P		
			NSW100-28		
			NSW100-28P		
		Smart Managed/ NebulaFlex	1930 Series	Gigabit Ethernet with 10G Uplink	XGS1930-28
XGS1930-28HP					
XGS1930-52					
XGS1930-52HP					
1920v2 Series	Gigabit Ethernet			GS1920-8HPv2	
				GS1920-24v2	
				GS1920-24HPv2	
				GS1920-48v2	
				GS1920-48HPv2	

Key Features

Model	Ports	Key Features	
GS2210-8	8-port 1000BASE-T 2 x GbE combo ports	<ul style="list-style-type: none"> • GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity • PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) • L2 multicast, IGMP snooping, and MVR for convergence • Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection • L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control • Streamlined network initialization and troubleshooting by supporting ZON utility and Zyxel Smart Connect 	
GS2210-8HP	8-port 1000BASE-T PoE 2 x GbE combo ports		
GS2210-24	24-port 1000BASE-T 4 x GbE combo ports		
GS2210-24HP	24-port 1000BASE-T PoE 4 x GbE combo ports		
GS2210-48	44-port 1000BASE-T 2 x GbE SFP slots 4 x GbE combo ports		
GS2210-48HP	48-port 1000BASE-T PoE 2 x GbE SFP slots 4 x GbE combo ports		
NSW200-28P	24-port 1000 BASE-T PoE 4 x 10G SFP+ slots		<ul style="list-style-type: none"> • Layer-2 Gigabit access switching with 8/24- port PoE and non-PoE models • Optimized for quality voice and video traffic with high 375 (NSW100-28P, NSW200-28P)/180 (NSW100-10P)-watt power budget PoE technology • Support 10GE uplinks to servers for high bandwidth network (NSW200-28P) • User-friendly ACL and VLAN configuration • Support Port Mirroring for network traffic monitoring • Support DHCP Server Guard and IGMP snooping • RADIUS, static MAC forwarding and 802.1X authentication
NSW100-10	8-port 1000 BASE-T 2 x GbE combo ports		
NSW100-10P	8-port 1000 BASE-T PoE 2 x GbE combo ports		
NSW100-28	24-port 1000 BASE-T 4 x GbE combo ports		
NSW100-28P	24-port 1000 BASE-T PoE 4 x GbE combo ports		
XGS1930-28	24-port 1000BASE-T 4 x 10G SFP+ slots		
XGS1930-28HP	24-port 1000BASE-T PoE 4 x 10G SFP+ slots	<ul style="list-style-type: none"> • NebulaFlex gives you the flexibility to switch between standalone and our license-free Nebula cloud management • Nebula cloud management allows easy deployment, real-time configurations and effortless access to all your cloud devices anytime • Handles the increasing high-bandwidth applications in your office affordably with four built-in 10G SFP+ uplinks • Easy management and setup with web-based interface and intuitive wizard • User-friendly design includes one-touch "Restore" button and intuitive PoE usage LED 	
XGS1930-52	48-port 1000BASE-T 4 x 10G SFP+ slots		
XGS1930-52HP	48-port 1000BASE-T PoE 4 x 10G SFP+ slots		
GS1920-8HPv2	8-port 1000 BASE-T PoE 2 x GbE combo ports		
GS1920-24v2	24-port 1000 BASE-T 4 x GbE combo ports	<ul style="list-style-type: none"> • NebulaFlex gives you the flexibility to switch between standalone and our license-free Nebula cloud management • Nebula cloud management allows easy deployment, real-time configurations and effortless access to all your cloud devices anytime • Using user-friendly web-based GUI to manage and set up the switch without learning complex CLI • Smart fan design offers silent operations in both desktop or rack-mount environment • One-touch restore to last custom default button 	
GS1920-24HPv2	24-port 1000 BASE-T PoE 4 x GbE combo ports		
GS1920-48v2	44-port 1000BASE-T 2 x GbE SFP slots 4 x GbE combo ports		
GS1920-48HPv2	48-port 1000BASE-T PoE 2 x GbE SFP slots 4 x GbE combo ports		






Switch Quick Finder

Switch Class	Series	Performance	Model	
Smart Managed	1920 Series	10 Gigabit Ethernet	XS1920-12	
				
	1900 Series	Gigabit Ethernet	GS1900-8	
			GS1900-8HP	
			GS1900-10HP	
			GS1900-16	
			GS1900-24E	
			GS1900-24	
			GS1900-24HP	
			GS1900-48	
GS1900-48HP				
Surveillance Managed	1350 Series	Gigabit Ethernet	GS1350-6HP	
			GS1350-12HP	
			GS1350-18HP	
			GS1350-26HP	
			Surveillance Unmanaged	1300 Series
GS1300-18HP				
GS1300-26HP				

Key Features

Model	Ports	Key Features
XS1920-12	10-port 10GBASE-T 2 x 10GbE combo ports	<ul style="list-style-type: none"> • Upgrades your network to 10GbE connectivity easily and economically • Simplified configuration with user-friendly web-based management GUI • Flexible 10G connection to 10G servers and network storage through both copper and fiber • Zyxel One Network experience enables simple network management and maintenance • Dual firmware images and configuration ensure network availability • Future-proofed with IPv6 support • Streamlined network initialization and troubleshooting by supporting ZON utility and Zyxel Smart Connect
GS1900-8	8-port 1000BASE-T	<ul style="list-style-type: none"> • Easy browser-based switch management • Quick and easy set up wizard
GS1900-8HP	8-port 1000BASE-T PoE	<ul style="list-style-type: none"> • Advanced network error prevention features (loop protection, dual images, storm control, DoS and SSL)
GS1900-10HP	8-port 1000BASE-T PoE 2 x GbE SFP slots	<ul style="list-style-type: none"> • Fanless design (GS1900-8/8HP/10HP/16/24/24E) • Green Ethernet IEEE 802.3az support and intelligent Zyxel green features
GS1900-16	16-port 1000BASE-T	<ul style="list-style-type: none"> • High-power PoE support IEEE 802.3at (GS1900-8HP/10HP/24HP/48HP) • Streamlined network initialization by supporting ZON utility
GS1900-24E	24-port 1000BASE-T	
GS1900-24	24-port 1000BASE-T 2 x GbE SFP slots	
GS1900-24HP	24-port 1000BASE-T PoE 2 x GbE SFP slots	
GS1900-48	48-port 1000BASE-T 2 x GbE SFP slots	
GS1900-48HP	24-port 1000BASE-T 24-port 1000BASE-T PoE 2 x GbE SFP slots	
GS1350-6HP	5-port 1000BASE-T PoE 1 x GbE SFP slot	<ul style="list-style-type: none"> • Auto camera recovery • Large power budget • Up to 250 meters transmission
GS1350-12HP	8-port 1000BASE-T PoE 2 x GbE SFP slots 2 x GbE 1000BASE-T	<ul style="list-style-type: none"> • Intuitive PoE usage LED and one-touch "Restore" button • Enhanced surge and ESD protection
GS1350-18HP	16-port 1000BASE-T PoE 2 x GbE combo ports	
GS1350-26HP	24-port 1000BASE-T PoE 2 x GbE combo ports	
GS1300-10HP	8-port 1000BASE-T PoE 1 x GbE SFP slot 1-port 1000BASE-T	<ul style="list-style-type: none"> • Large power budget • Up to 250 meters transmission • Intuitive PoE usage LED
GS1300-18HP	16-port 1000BASE-T PoE 1 x GbE SFP slot 1-port 1000BASE-T	<ul style="list-style-type: none"> • Support both copper and fiber uplink ports • Internal power supply
GS1300-26HP	24-port 1000BASE-T PoE 2 x GbE SFP slots	

Switch Quick Finder

Switch Class	Series	Performance	Model	
Web Managed	1200 Series	Gigabit Ethernet	GS1200-5	
			GS1200-5HP v2	
			GS1200-8	
			GS1200-8HP v2	
			Unmanaged	1100 Series
GS1100-16				
GS1100-24				
GS1100-24E				
	Fast Ethernet	ES1100-8P		
		ES1100-16P		
		ES1100-16		
		ES1100-24E		
		ES1100-24		
		1000 Series	Gigabit Ethernet	
	GS1008HP			
Rugged Managed	200 Series	Gigabit Ethernet	RGS200-12P	
Rugged Unmanaged	100 Series	Gigabit Ethernet	RGS100-5P	

Key Features

Model	Ports	Key Features
GS1200-5	5-port 1000BASE-T	<ul style="list-style-type: none"> • Easy web management and set-up wizard • IGMP Snooping for optimized traffic delivery • VLAN segregation for enhanced network security • Enhanced port-based QoS for better traffic control
GS1200-5HP v2	1-port 1000BASE-T 4-port 1000BASE-T PoE	<ul style="list-style-type: none"> • Link Aggregation increase throughput • Smart PoE+ 802.3af/802.3at support (GS1200-5HP v2/GS1200-8HP v2)
GS1200-8	8-port 1000BASE-T	<ul style="list-style-type: none"> • Fanless, noiseless design
GS1200-8HP v2	4-port 1000BASE-T 4-port 1000BASE-T PoE	
GS1100-10HP	8-port 1000BASE-T PoE 2 x GbE SFP slots	<ul style="list-style-type: none"> • Non-blocking, wire-speed transmission • Auto MDI/MDI-X support • IEEE 802.3az compliant
GS1100-16	16-port 1000BASE-T	<ul style="list-style-type: none"> • Fanless design for silent operation • IEEE 802.3x flow control supported • IEEE 802.1p CoS supported
GS1100-24	24-port 1000BASE-T 2 x GbE SFP slots	<ul style="list-style-type: none"> • Jumbo frame support (up to 9 K bytes)
GS1100-24E	24-port 1000BASE-T	
ES1100-8P	4-port 10/100BASE-T 4-port 10/100BASE-T PoE	<ul style="list-style-type: none"> • Non-blocking, wire-speed transmission • Auto MDI/MDI-X support • IEEE 802.3az draft Energy Efficient Ethernet compliant (ES1100-16/24/24E)
ES1100-16P	8-port 10/100BASE-T 8-port 10/100BASE-T PoE	<ul style="list-style-type: none"> • Fanless design for silent operations (ES1100-8P/16/24E/24) • IEEE 802.3x flow control supported
ES1100-16	16-port 10/100BASE-T	<ul style="list-style-type: none"> • IEEE 802.1p CoS supported
ES1100-24E	24-port 10/100BASE-T	
ES1100-24	24-port 10/100BASE-T	
GS1005HP	1-port 1000BASE-T 4-port 1000BASE-T PoE	<ul style="list-style-type: none"> • 60 Watts of total output on 4/8 Gigabit PoE+ ports • LED indicators for PoE budget management • Blazing-fast Gigabit connection
GS1008HP	8-port 1000BASE-T PoE	<ul style="list-style-type: none"> • Advanced energy-savings at work • Fanless, noiseless design
RGS200-12P	8-port 1000BASE-T 4 x GbE SFP slots	<ul style="list-style-type: none"> • Wide-ranging operating temperature design from -40°C to 75°C • Fanless design and compact mechanism with IP30 standard • Redundant ring technology with quick failover in less than 20 ms • Dual power inputs (12 V-58 V DC) • Full PoE+ support and high PoE power budget up to 240 W
RGS100-5P	4-port 1000BASE-T 1 x GbE SFP slot	<ul style="list-style-type: none"> • Wide-ranging operating temperature design from -40°C to 75°C • Fanless design and compact mechanism with IP30 standard • All PoE ports support PoE+ and high PoE power budget up to 120 W • Dual power inputs (12 V-58 V DC)

LAN Switches Feature Matrix

Model	4600 Series			3800 Series	3700 Series	
	XGS4600-32	XGS4600-32F	XGS4600-52F	XS3800-28	XGS3700-24	XGS3700-24HP
Switch class	Layer 3 Managed	Layer 3 Managed	Layer 3 Managed	L2+ (L3 Lite) w/CLI	L2+ (L3 Lite) w/CLI	L2+ (L3 Lite) w/CLI
Ports						
Total port count	32	32	52	28	28	28
Fast Ethernet (RJ-45)	-	-	-	-	-	-
Gigabit Ethernet (RJ-45)	24	-	-	-	24	24
Gigabit Combo (RJ-45/SFP)	4	4	-	-	-	-
Gigabit SFP	-	24	48	-	-	-
10 Gigabit Ethernet (RJ-45)	-	-	-	-	-	-
1G/2.5G/5G/10G Ethernet (RJ-45)	-	-	-	4	-	-
10 Gigabit SFP+	4	4	4	16	4	4
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	8*	-	-
Configurable extended range ports	-	-	-	-	-	-
PoE						
Total PoE budget (Watts)	-	-	-	-	-	Single PSU: 460 Dual PSU: 1,000
PoE ports	-	-	-	-	-	24
High power PoE 802.3at	-	-	-	-	-	Yes
Performance						
Switching capacity (Gbps)	136	136	176	560	128	128
Forwarding rate (Mpps)	101.1	101.1	130.9	416	95	95
Packet buffer (byte)	4 M	4 M	4 M	4 M	2 M	2 M
MAC address table	32 K	32 K	32 K	32 K	16 K	16 K
Jumbo frame support	12 K	12 K	12 K	12 K: 10 Gbps 9 K: 2.5 Gbps	9 K	9 K
L3 forwarding table (IPv4/IPv6)	8 K/4 K	8 K/4 K	8 K/4 K	4 K/2 K	1 K/512	1 K/512
Routing table	12 K	12 K	12 K	1 K	64	64
IP interface	256	256	256	128	128	128
Stacking						
Virtual (iStacking)	24	24	24	24	24	24
Physical	4	4	4	4	8	8
Management						
Web GUI	Yes	Yes	Yes	Yes	Yes	Yes
Full Command Line Interface (CLI)	Yes	Yes	Yes	Yes	Yes	Yes
SNMP/Syslog	Yes	Yes	Yes	Yes	Yes	Yes
CNC support	Yes	Yes	Yes	Yes	Yes	Yes
Zyxel One Network (ZON)	Yes	Yes	Yes	Yes	Yes	Yes
Zyxel Nebula (Cloud)	-	-	-	Yes**	-	-
sFlow	Yes	Yes	Yes	Yes	Yes	Yes
Features						
VLANs (Static/Dynamic)	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K
Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)	Yes	Yes	Yes	Yes	Yes	Yes
IP Source Guard	Yes	Yes	Yes	Yes	Yes	Yes
QoS support	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping	Yes	Yes	Yes	Yes	Yes	Yes
IPTV feature set (advanced and granular IGMP control)	Yes	Yes	Yes	Yes	Yes	Yes
Loop Detection	Yes	Yes	Yes	Yes	Yes	Yes
Enhanced security (BPDU & Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)	Yes	Yes	Yes	Yes	Yes	Yes
Physical						
Mounting type	Rack	Rack	Rack	Rack	Rack	Rack
Dimensions (WxDxH)(mm/in.)	441 x 270 x 44/ 17.36 x 10.63 x 1.73	441 x 270 x 44/ 17.36 x 10.63 x 1.73	441 x 360 x 44/ 17.36 x 14.17 x 1.73	441 x 360 x 44/ 17.36 x 14.17 x 1.73	440 x 437 x 40/ 17.32 x 17.2 x 1.57	440 x 437 x 40/ 17.32 x 17.2 x 1.57
Fanless	-	-	-	-	-	-
MTBF (hrs)	860 K	794 K	815 K	656 K	280 K	220 K
Redundant power support	Yes	Yes	Yes	Yes	Yes	Yes

* Multi-Gigabit combo
** Available in Q3 2019

Model	3700 Series		2210 Series			
	XGS3700-48	XGS3700-48HP	XGS2210-28	XGS2210-28HP	XGS2210-52	XGS2210-52HP
Switch class	L2+ (L3 Lite) w/CLI	L2+ (L3 Lite) w/CLI	L2 Managed	L2 Managed	L2 Managed	L2 Managed
Ports						
Total port count	52	52	28	28	52	52
Fast Ethernet (RJ-45)	-	-	-	-	-	-
Gigabit Ethernet (RJ-45)	48	48	24	24	48	48
Gigabit Combo (RJ-45/SFP)	-	-	-	-	-	-
Gigabit SFP	-	-	-	-	-	-
10 Gigabit Ethernet (RJ-45)	-	-	-	-	-	-
1G/2.5G/5G/10G Ethernet (RJ-45)	-	-	-	-	-	-
10 Gigabit SFP+	4	4	4	4	4	4
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	-	-	-
Configurable extended range ports	-	-	-	-	-	-
PoE						
Total PoE budget (Watts)	-	Single PSU: 460 Dual PSU: 1,000	-	375	-	375
PoE ports	-	48	-	24	-	48
High power PoE 802.3at	-	Yes	-	Yes	-	Yes
Performance						
Switching capacity (Gbps)	176	176	128	128	176	176
Forwarding rate (Mpps)	131	131	95.2	95.2	130.9	130.9
Packet buffer (byte)	2 M	2 M	1.5 M	1.5 M	1.5 M	1.5 M
MAC address table	16 K	16 K	16 K	16 K	16 K	16 K
Jumbo frame support	9 K	9 K	9 K	9 K	9 K	9 K
L3 forwarding table (IPv4/IPv6)	1 K/512	1 K/512	1 K/512	1 K/512	1 K/512	1 K/512
Routing table	64	64	64	64	64	64
IP interface	128	128	32	32	32	32
Stacking						
Virtual (iStacking)	24	24	24	24	24	24
Physical	8	8	2	2	2	2
Management						
Web GUI	Yes	Yes	Yes	Yes	Yes	Yes
Full Command Line Interface (CLI)	Yes	Yes	Yes	Yes	Yes	Yes
SNMP/Syslog	Yes	Yes	Yes	Yes	Yes	Yes
CNC support	Yes	Yes	Yes	Yes	Yes	Yes
Zyxel One Network (ZON)	Yes	Yes	Yes	Yes	Yes	Yes
Zyxel Nebula (Cloud)	-	-	-	-	-	-
sFlow	Yes	Yes	Yes	Yes	Yes	Yes
Features						
VLANs (Static/Dynamic)	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K
Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)	Yes	Yes	Yes	Yes	Yes	Yes
IP Source Guard	Yes	Yes	Yes	Yes	Yes	Yes
QoS support	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping	Yes	Yes	Yes	Yes	Yes	Yes
IPTV feature set (advanced and granular IGMP control)	Yes	Yes	Yes	Yes	Yes	Yes
Loop Detection	Yes	Yes	Yes	Yes	Yes	Yes
Enhanced security (BPDU & Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)	Yes	Yes	Yes	Yes	Yes	Yes
Physical						
Mounting type	Rack	Rack	Rack	Rack	Rack	Rack
Dimensions (WxDxH)(mm/in.)	440 x 437 x 40/ 17.32 x 17.2 x 1.57	440 x 437 x 40/ 17.32 x 17.2 x 1.57	441 x 270 x 45/ 17.36 x 10.63 x 1.77	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75	441 x 270 x 45/ 17.36 x 10.63 x 1.77	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75
Fanless	-	-	Yes	-	-	-
MTBF (hrs)	250 K	200 K	831 K	560 K	970 K	500 K
Redundant power support	Yes	Yes	Yes	-	-	-

Model	2210 Series					
	GS2210-8	GS2210-8HP	GS2210-24	GS2210-24HP	GS2210-48	GS2210-48HP
Switch class	L2 Managed	L2 Managed	L2 Managed	L2 Managed	L2 Managed	L2 Managed
Ports						
Total port count	10	10	28	28	50	50
Fast Ethernet (RJ-45)	-	-	-	-	-	-
Gigabit Ethernet (RJ-45)	8	8	24	24	44	44
Gigabit Combo (RJ-45/SFP)	2	2	4	4	4	4
Gigabit SFP	-	-	-	-	2	2
10 Gigabit Ethernet (RJ-45)	-	-	-	-	-	-
1G/2.5G/5G/10G Ethernet (RJ-45)	-	-	-	-	-	-
10 Gigabit SFP+	-	-	-	-	-	-
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	-	-	-
Configurable extended range ports	-	-	-	-	-	-
PoE						
Total PoE budget (Watts)	-	180	-	375	-	375
PoE ports	-	8	-	24	-	48
High power PoE 802.3at	-	Yes	-	Yes	-	Yes
Performance						
Switching capacity (Gbps)	20	20	56	56	100	100
Forwarding rate (Mpps)	15	15	41.67	41.67	74	74
Packet buffer (byte)	1.5 M	1.5 M	1.5 M	1.5 M	1.5 M	1.5 M
MAC address table	16 K	16 K	16 K	16 K	16 K	16 K
Jumbo frame support	9 K	9 K	9 K	9 K	9 K	9 K
L3 forwarding table (IPv4/IPv6)	-	-	-	-	-	-
Routing table	-	-	-	-	-	-
IP interface	-	-	-	-	-	-
Stacking						
Virtual (iStacking)	24	24	24	24	24	24
Physical	-	-	-	-	-	-
Management						
Web GUI	Yes	Yes	Yes	Yes	Yes	Yes
Full Command Line Interface (CLI)	Yes	Yes	Yes	Yes	Yes	Yes
SNMP/Syslog	Yes	Yes	Yes	Yes	Yes	Yes
CNC support	Yes	Yes	Yes	Yes	Yes	Yes
Zyxel One Network (ZON)	Yes	Yes	Yes	Yes	Yes	Yes
Zyxel Nebula (Cloud)	-	-	-	-	-	-
sFlow	-	-	-	-	-	-
Features						
VLANs (Static/Dynamic)	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K
Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)	Yes	Yes	Yes	Yes	Yes	Yes
IP Source Guard	Yes	Yes	Yes	Yes	Yes	Yes
QoS support	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping	Yes	Yes	Yes	Yes	Yes	Yes
IPTV feature set (advanced and granular IGMP control)	Yes	Yes	Yes	Yes	Yes	Yes
Loop Detection	Yes	Yes	Yes	Yes	Yes	Yes
Enhanced security (BPDU & Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)	Yes	Yes	Yes	Yes	Yes	Yes
Physical						
Mounting type	Wall & Rack	Rack	Rack	Rack	Rack	Rack
Dimensions (WxDxH)(mm/in.)	250 x 150 x 44/ 9.84 x 5.91 x 1.72	330 x 230.5 x 44.5/ 12.99 x 9.07 x 1.75	440 x 131 x 44.5/ 17.32 x 5.16 x 1.75	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75	440 x 200 x 44.5/ 17.32 x 7.87 x 1.75	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75
Fanless	Yes	-	Yes	-	-	-
MTBF (hrs)	1382 K	1155 K	616 K	949 K	631 K	337 K
Redundant power support	-	-	-	-	-	-

Model	Nebula Series				
	NSW100-10	NSW100-10P	NSW100-28	NSW100-28P	NSW200-28P
Switch class	Cloud Managed	Cloud Managed	Cloud Managed	Cloud Managed	Cloud Managed
Ports					
Total port count	10	10	28	28	28
Fast Ethernet (RJ-45)	-	-	-	-	-
Gigabit Ethernet (RJ-45)	8	8	24	24	24
Gigabit Combo (RJ-45/SFP)	2	2	4	4	-
Gigabit SFP	-	-	-	-	-
10 Gigabit Ethernet (RJ-45)	-	-	-	-	-
1G/2.5G/5G/10G Ethernet (RJ-45)	-	-	-	-	-
10 Gigabit SFP+	-	-	-	-	4
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	-	-
Configurable extended range ports	-	-	-	-	-
PoE					
Total PoE budget (Watts)	-	180	-	375	375
PoE ports	-	8	-	24	24
High power PoE 802.3at	-	Yes	-	Yes	Yes
Performance					
Switching capacity (Gbps)	20	20	56	56	128
Forwarding rate (Mpps)	14.88	14.88	41.67	41.67	95.2
Packet buffer (byte)	448 K	1.5 M	1.5 M	1.5 M	1.5 M
MAC address table	16 K	16 K	16 K	16 K	16 K
Jumbo frame support	9 K	9 K	9 K	9 K	9 K
L3 forwarding table (IPv4/IPv6)	-	-	-	-	-
Routing table	-	-	-	-	-
IP interface	-	-	-	-	-
Stacking					
Virtual (iStacking)	-	-	-	-	-
Physical	-	-	-	-	-
Management					
Web GUI	-	-	-	-	-
Full Command Line Interface (CLI)	-	-	-	-	-
SNMP/Syslog	Yes	Yes	Yes	Yes	Yes
CNC support	Yes	Yes	Yes	Yes	Yes
Zyxel One Network (ZON)	Yes	Yes	Yes	Yes	Yes
Zyxel Nebula (Cloud)	Yes	Yes	Yes	Yes	Yes
sFlow	-	-	-	-	-
Features					
VLANs (Static/Dynamic)	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K
Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)	-	-	-	-	-
IP Source Guard	-	-	-	-	-
QoS support	Yes	Yes	Yes	Yes	Yes
IGMP snooping	Yes	Yes	Yes	Yes	Yes
IPTV feature set (advanced and granular IGMP control)	-	-	-	-	-
Loop Detection	Yes	Yes	Yes	Yes	Yes
Enhanced security (BPDU & Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)	-	-	-	-	-
Physical					
Mounting type	Wall & Rack	Rack	Rack	Rack	Rack
Dimensions (WxDxH)(mm/in.)	250 x 150 x 44/ 9.84 x 5.91 x 1.73	330 x 230.5 x 44.5/ 12.99 x 9.07 x 1.75	441 x 131 x 44/ 17.36 x 5.16 x 1.73	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75
Fanless	Yes	-	Yes	-	-
MTBF (hrs)	1382 K	1155 K	616 K	949 K	560 K
Redundant power support	-	-	-	-	-

Model	1930 Series				1920 Series		
	XGS1930-28	XGS1930-28HP	XGS1930-52	XGS1930-52HP	XS1920-12	GS1920-8HPv2	GS1920-24v2
Switch class	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed
Ports							
Total port count	28	28	52	52	12	10	28
Fast Ethernet (RJ-45)	-	-	-	-	-	-	-
Gigabit Ethernet (RJ-45)	24	24	48	48	-	8	24
Gigabit Combo (RJ-45/SFP)	-	-	-	-	-	2	4
Gigabit SFP	-	-	-	-	-	-	-
10 Gigabit Ethernet (RJ-45)	-	-	-	-	10	-	-
1G/2.5G/5G/10G Ethernet (RJ-45)	-	-	-	-	-	-	-
10 Gigabit SFP+	4	4	4	4	-	-	-
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	-	2	-	-
Configurable extended range ports	-	-	-	-	-	-	-
PoE							
Total PoE budget (Watts)	-	375	-	375	-	130	-
PoE ports	-	24	-	48	-	8	-
High power PoE 802.3at	-	Yes	-	Yes	-	Yes	-
Performance							
Switching capacity (Gbps)	128	128	176	176	240	20	56
Forwarding rate (Mpps)	95.2	95.2	130.9	130.9	178.6	15	42
Packet buffer (byte)	1.5 M	1.5 M	1.5 M	1.5 M	2 M	1.5 M	1.5 M
MAC address table	16 K	16 K	16 K	16 K	16 K	16 K	16 K
Jumbo frame support	9 K	9 K	9 K	9 K	9 K	9 K	9 K
L3 forwarding table (IPv4/IPv6)	512/512	512/512	512/512	512/512	512/256	-	-
Routing table	32	32	32	32	64	-	-
IP interface	32	32	32	32	32	-	-
Stacking							
Virtual (iStacking)	-	-	-	-	24	24	24
Physical	-	-	-	-	-	-	-
Management							
Web GUI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Full Command Line Interface (CLI)	-	-	-	-	-	-	-
SNMP/Syslog	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CNC support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zyxel One Network (ZON)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zyxel Nebula (Cloud)	Yes	Yes	Yes	Yes	-	Yes	Yes
sFlow	-	-	-	-	-	-	-
Features							
VLANs (Static/Dynamic)	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K
Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Yes	Yes	Yes
IP Source Guard	-	-	-	-	Yes	Yes	Yes
QoS support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IPTV feature set (advanced and granular IGMP control)	-	-	-	-	-	-	-
Loop Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Enhanced security (BPDU & Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)	-	-	-	-	-	-	-
Physical							
Mounting type	Rack	Rack	Rack	Rack	Rack	Wall & Desk	Rack
Dimensions (WxDxH)(mm/in.)	441 x 270 x 44/ 17.36 x 10.63 x 1.73	441 x 330 x 44/ 17.36 x 12.99 x 1.73	441 x 270 x 44/ 17.36 x 10.63 x 1.73	441 x 330 x 44/ 17.36 x 12.99 x 1.73	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75	267 x 162 x 44/ 10.51 x 6.38 x 1.73	441 x 131 x 44/ 17.36 x 5.16 x 1.73
Fanless	Yes	-	-	-	-	Yes	Yes
MTBF (hrs)	1211 K	1369 K	827 K	494 K	839 K	513 K	911 K
Redundant power support	-	-	-	-	-	-	-

Model	1920 Series			1900 Series			
	GS1920-24HPv2	GS1920-48v2	GS1920-48HPv2	GS1900-8	GS1900-8HP	GS1900-10HP	GS1900-16
Switch class	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed
Ports							
Total port count	28	50	50	8	8	10	16
Fast Ethernet (RJ-45)	-	-	-	-	-	-	-
Gigabit Ethernet (RJ-45)	24	44	44	8	8	8	16
Gigabit Combo (RJ-45/SFP)	4	4	4	-	-	-	-
Gigabit SFP	-	2	2	-	-	2	-
10 Gigabit Ethernet (RJ-45)	-	-	-	-	-	-	-
1G/2.5G/5G/10G Ethernet (RJ-45)	-	-	-	-	-	-	-
10 Gigabit SFP+	-	-	-	-	-	-	-
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	-	-	-	-
Configurable extended range ports	-	-	-	-	-	-	-
PoE							
Total PoE budget (Watts)	375	-	375	-	70	77	-
PoE ports	24	-	48	-	8	8	-
High power PoE 802.3at	Yes	-	Yes	-	Yes	Yes	-
Performance							
Switching capacity (Gbps)	56	100	100	16	16	20	32
Forwarding rate (Mpps)	42	74	74	11.9	11.9	14.88	23.8
Packet buffer (byte)	1.5 M	1.5 M	1.5 M	525 K	525 K	525 K	525 K
MAC address table	16 K	16 K	16 K	8 K	8 K	8 K	8 K
Jumbo frame support	9 K	9 K	9 K	9 K	9 K	9 K	9 K
L3 forwarding table (IPv4/IPv6)	-	-	-	-	-	-	-
Routing table	-	-	-	-	-	-	-
IP interface	-	-	-	-	-	-	-
Stacking							
Virtual (iStacking)	24	24	24	-	-	-	-
Physical	-	-	-	-	-	-	-
Management							
Web GUI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Full Command Line Interface (CLI)	-	-	-	-	-	-	-
SNMP/Syslog	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CNC support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zyxel One Network (ZON)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zyxel Nebula (Cloud)	Yes	Yes	Yes	-	-	-	-
sFlow	-	-	-	-	-	-	-
Features							
VLANs (Static/Dynamic)	1K/4K	1K/4K	1K/4K	1K/-	1K/-	1K/-	1K/-
Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)	Yes	Yes	Yes	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN
IP Source Guard	Yes	Yes	Yes	-	-	-	-
QoS support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IPTV feature set (advanced and granular IGMP control)	-	-	-	-	-	-	-
Loop Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Enhanced security (BPDU & Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)	-	-	-	-	-	-	-
Physical							
Mounting type	Rack	Rack	Rack	Wall	Wall	Wall	Wall & Rack
Dimensions (WxDxH)(mm/in.)	441 x 270 x 44/ 17.36 x 10.63 x 1.73	440 x 200 x 44.5/ 17.32 x 7.87 x 1.75	441 x 270 x 44/ 17.36 x 10.63 x 1.73	250 x 104 x 27/ 9.84 x 4.10 x 1.06	250 x 104 x 27/ 9.84 x 4.10 x 1.06	250 x 104 x 27/ 9.84 x 4.10 x 1.06	216 x 133 x 42/ 8.50 x 5.23 x 1.65
Fanless	-	-	-	Yes	Yes	Yes	Yes
MTBF (hrs)	638 K	672 K	502 K	862 K	926 K	801 K	843 K
Redundant power support	-	-	-	-	-	-	-

Model	1900 Series					1350 Series			
	GS1900-24E	GS1900-24	GS1900-24HP	GS1900-48	GS1900-48HP	GS1350-6HP	GS1350-12HP	GS1350-18HP	GS1350-26HP
Switch class	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Surveillance Managed	Surveillance Managed	Surveillance Managed	Surveillance Managed
Ports									
Total port count	24	26	26	50	50	6	12	18	26
Fast Ethernet (RJ-45)	-	-	-	-	-	-	-	-	-
Gigabit Ethernet (RJ-45)	24	24	24	48	48	5	10	16	24
Gigabit Combo (RJ-45/SFP)	-	-	-	-	-	-	-	2	2
Gigabit SFP	-	2	2	2	2	1	2	-	-
10 Gigabit Ethernet (RJ-45)	-	-	-	-	-	-	-	-	-
1G/2.5G/5G/10G Ethernet (RJ-45)	-	-	-	-	-	-	-	-	-
10 Gigabit SFP+	-	-	-	-	-	-	-	-	-
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	-	-	-	-	-	-
Configurable extended range ports	-	-	-	-	-	5	10	16	24
PoE									
Total PoE budget (Watts)	-	-	170	-	170	60	130	250	375
PoE ports	-	-	24	-	24	5	8	16	24
High power PoE 802.3at	-	-	Yes	-	Yes	Yes 802.3bt (port 1-2)	Yes	Yes	Yes
Performance									
Switching capacity (Gbps)	48	52	52	100	100	12	24	36	52
Forwarding rate (Mpps)	35.7	39	39	74	74	8.9	17.8	26.7	38.7
Packet buffer (byte)	525 K	525 K	525 K	1.5 M	1.5 M	525 K	525 K	525 K	525 K
MAC address table	8 K	8 K	8 K	8 K	8 K	8 K	8 K	8 K	8 K
Jumbo frame support	9 K	9 K	9 K	9 K	9 K	9 K	9 K	9 K	9 K
L3 forwarding table (IPv4/IPv6)	-	-	-	-	-	-	-	-	-
Routing table	-	-	-	-	-	-	-	-	-
IP interface	-	-	-	-	-	-	-	-	-
Stacking									
Virtual (iStacking)	-	-	-	-	-	-	-	-	-
Physical	-	-	-	-	-	-	-	-	-
Management									
Web GUI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Full Command Line Interface (CLI)	-	-	-	-	-	-	-	-	-
SNMP/Syslog	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CNC support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zyxel One Network (ZON)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zyxel Nebula (Cloud)	-	-	-	-	-	-	-	-	-
sFlow	-	-	-	-	-	-	-	-	-
Features									
VLANs (Static/Dynamic)	1 K/-	1 K/-	1 K/-	1 K/-	1 K/-	256/0	256/0	256/0	256/0
Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	-	-	-	-
IP Source Guard	-	-	-	-	-	-	-	-	-
QoS support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IPTV feature set (advanced and granular IGMP control)	-	-	-	-	-	-	-	-	-
Loop Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Enhanced security (BPDU & Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSPG v6)	-	-	-	-	-	-	-	-	-
Physical									
Mounting type	Wall & Rack	Rack	Rack	Rack	Rack	Wall	Rack	Rack	Rack
Dimensions (WxDxH)(mm/in.)	267 x 162 x 42/10.51 x 6.37 x 1.65	440 x 131 x 44/17.32 x 5.16 x 1.73	440 x 310 x 45/17.32 x 12.20 x 1.77	440 x 200 x 44/17.32 x 7.87 x 1.73	441 x 310 x 45/17.36 x 12.20 x 1.77	193 x 84 x 26/7.6 x 3.31 x 1.02	267 x 162 x 44/10.51 x 6.38 x 1.73	330 x 230 x 44/12.99 x 9.06 x 1.73	441 x 270 x 44/17.36 x 10.63 x 1.73
Fanless	Yes	Yes	-	-	-	Yes	-	-	-
MTBF (hrs)	804 K	432 K	318 K	229 K	175 K	2022 K	1065 K	1700 K	888 K
Redundant power support	-	-	-	-	-	-	-	-	-

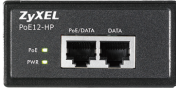
Model	1300 Series			1200 Series			
	GS1300-10HP	GS1300-18HP	GS1300-26HP	GS1200-5HP v2	GS1200-8HP v2	GS1200-5	GS1200-8
Switch class	Surveillance Unmanaged	Surveillance Unmanaged	Surveillance Unmanaged	Web Managed	Web Managed	Web Managed	Web Managed
Ports							
Total port count	10	18	26	26	8	5	8
Fast Ethernet (RJ-45)	-	-	-	-	-	-	-
Gigabit Ethernet (RJ-45)	9	17	24	24	8	5	8
Gigabit Combo (RJ-45/SFP)	-	-	-	2	-	-	-
Gigabit SFP	1	1	2	-	-	-	-
10 Gigabit Ethernet (RJ-45)	-	-	-	-	-	-	-
1G/2.5G/5G/10G Ethernet (RJ-45)	-	-	-	-	-	-	-
10 Gigabit SFP+	-	-	-	-	-	-	-
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	-	-	-	-
Configurable extended range ports	2	4	4	-	-	-	-
PoE							
Total PoE budget (Watts)	130	170	250	60	60	-	-
PoE ports	8	16	24	4	4	-	-
High power PoE 802.3at	Yes	Yes	Yes	Yes	Yes	-	-
Performance							
Switching capacity (Gbps)	20	36	52	10	16	10	16
Forwarding rate (Mpps)	14.8	26.7	38.7	7.44	11.9	7.44	11.9
Packet buffer (byte)	525 K	525 K	525 K	128 K	192 K	128 K	192 K
MAC address table	8 K	8 K	8 K	2 K	4 K	2 K	4 K
Jumbo frame support	9 K	9 K	9 K	9 K	9 K	9 K	9 K
L3 forwarding table (IPv4/IPv6)	-	-	-	-	-	-	-
Routing table	-	-	-	-	-	-	-
IP interface	-	-	-	-	-	-	-
Stacking							
Virtual (iStacking)	-	-	-	-	-	-	-
Physical	-	-	-	-	-	-	-
Management							
Web GUI	-	-	-	Yes	Yes	Yes	Yes
Full Command Line Interface (CLI)	-	-	-	-	-	-	-
SNMP/Syslog	-	-	-	-	-	-	-
CNC support	-	-	-	-	-	-	-
Zyxel One Network (ZON)	-	-	-	-	-	-	-
Zyxel Nebula (Cloud)	-	-	-	-	-	-	-
sFlow	-	-	-	-	-	-	-
Features							
VLANs (Static/Dynamic)	-	-	-	Yes	Yes	Yes	Yes
Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)	-	-	-	-	-	-	-
IP Source Guard	-	-	-	-	-	-	-
QoS support	-	-	-	Yes	Yes	Yes	Yes
IGMP snooping	-	-	-	Yes	Yes	Yes	Yes
IPTV feature set (advanced and granular IGMP control)	-	-	-	-	-	-	-
Loop Detection	-	-	-	Yes	Yes	Yes	Yes
Enhanced security (BPDU & Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)	-	-	-	-	-	-	-
Physical							
Mounting type	Wall & Rack	Rack	Rack	Desktop & Wall	Desktop & Wall	Desktop & Wall	Desktop & Wall
Dimensions (WxDxH)(mm/in.)	267 x 162 x 44/ 10.51 x 6.38 x 1.73	330 x 230 x 44/ 12.99 x 9.06 x 1.73	441 x 270 x 44/ 17.36 x 10.63 x 1.73	193 x 84 x 26/ 7.59 x 3.3 x 1.02	240 x 105 x 26/ 9.44 x 4.13 x 1.02	127 x 82 x 95/ 5.0 x 3.2 x 3.7	161 x 90 x 95/ 6.3 x 3.5 x 3.7
Fanless	-	-	-	Yes	Yes	Yes	Yes
MTBF (hrs)	395 K	379 K	348 K	896 K	1089 K	1655 K	1570 K
Redundant power support	-	-	-	-	-	-	-

Model	1100 Series						
	GS1100-10HP	GS1100-16	GS1100-24	GS1100-24E	ES1100-8P	ES1100-16P	ES1100-16
Switch class	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged
Ports							
Total port count	10	16	26	24	8	16	16
Fast Ethernet (RJ-45)	-	-	-	-	8	16	16
Gigabit Ethernet (RJ-45)	8	16	24	24	-	-	-
Gigabit Combo (RJ-45/SFP)	-	-	-	-	-	-	-
Gigabit SFP	2	-	2	-	-	-	-
10 Gigabit Ethernet (RJ-45)	-	-	-	-	-	-	-
1G/2.5G/5G/10G Ethernet (RJ-45)	-	-	-	-	-	-	-
10 Gigabit SFP+ Uplinks	-	-	-	-	-	-	-
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	-	-	-	-
Configurable extended range ports	-	-	-	-	-	-	-
PoE							
Total PoE budget (Watts)	130	-	-	-	64	130	-
PoE ports	8	-	-	-	4	8	-
High power PoE 802.3at	Yes	-	-	-	-	-	-
Performance							
Switching capacity (Gbps)	20	32	52	48	1.6	3.2	3.2
Forwarding rate (Mpps)	14.88	23.8	38.7	35.7	1.2	2.4	2.4
Packet buffer (byte)	256 K	256 K	525 K	525 K	96 K	160 K	256 K
MAC address table	8 K	8 K	8 K	8 K	1 K	8 K	8 K
Jumbo frame support	9 K	9 K	10 K	10 K	-	2 K	2 K
L3 forwarding table (IPv4/IPv6)	-	-	-	-	-	-	-
Routing table	-	-	-	-	-	-	-
IP interface	-	-	-	-	-	-	-
Stacking							
Virtual (iStacking)	-	-	-	-	-	-	-
Physical	-	-	-	-	-	-	-
Management							
Web GUI	-	-	-	-	-	-	-
Full Command Line Interface (CLI)	-	-	-	-	-	-	-
SNMP/Syslog	-	-	-	-	-	-	-
CNC support	-	-	-	-	-	-	-
Zyxel One Network (ZON)	-	-	-	-	-	-	-
Zyxel Nebula (Cloud)	-	-	-	-	-	-	-
sFlow	-	-	-	-	-	-	-
Features							
VLANs (Static/Dynamic)	-	-	-	-	-	-	-
Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)	-	-	-	-	-	-	-
IP Source Guard	-	-	-	-	-	-	-
QoS support	-	-	-	-	-	-	-
IGMP snooping	-	-	-	-	-	-	-
IPTV feature set (advanced and granular IGMP control)	-	-	-	-	-	-	-
Loop Detection	-	-	-	-	-	-	-
Enhanced security (BPDU & Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)	-	-	-	-	-	-	-
Physical							
Mounting type	Wall	Wall & Rack	Rack	Wall & Rack	Wall & Rack	Wall & Rack	Wall & Rack
Dimensions (WxDxH)(mm/in.)	250 x 104 x 27/ 9.84 x 4.10 x 1.06	215 x 133 x 42/ 8.46 x 5.24 x 1.65	441 x 131 x 44/ 17.36 x 5.16 x 1.73	267 x 162 x 42/ 10.51 x 6.38 x 1.65	265 x 184 x 44/ 10.43 x 7.24 x 1.73	265 x 184 x 44/ 10.43 x 7.24 x 1.73	216 x 133 x 42/ 8.50 x 5.24 x 1.65
Fanless	Yes	Yes	Yes	Yes	Yes	-	Yes
MTBF (hrs)	1000 K	1297 K	1206 K	929 K	165 K	76 K	322 K
Redundant power support	-	-	-	-	-	-	-



Model	1100 Series		1000 Series		Rugged Switch Series	
	ES1100-24E	ES1100-24	GS1005HP	GS1008HP	RGS100-5P	RGS200-12P
Switch class	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	L2 Managed
Ports						
Total port count	24	24	5	8	5	12
Fast Ethernet (RJ-45)	24	24	-	-	-	-
Gigabit Ethernet (RJ-45)	-	-	5	8	4	8
Gigabit Combo (RJ-45/SFP)	-	-	-	-	-	-
Gigabit SFP	-	-	-	-	1	4
10 Gigabit Ethernet (RJ-45)	-	-	-	-	-	-
1G/2.5G/5G/10G Ethernet (RJ-45)	-	-	-	-	-	-
10 Gigabit SFP+ Uplinks	-	-	-	-	-	-
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	-	-	-
Configurable extended range ports	-	-	-	-	-	-
PoE						
Total PoE budget (Watts)	-	-	60	60	120	240
PoE ports	-	-	4	8	4	8
High power PoE 802.3at	-	-	Yes	Yes	Yes	Yes
Performance						
Switching capacity (Gbps)	4.8	4.8	10	16	10	24
Forwarding rate (Mpps)	3.6	3.6	7.44	11.9	7.44	17.86
Packet buffer (byte)	256 K	256 K	128 K	192 K	0.25 M	512 K
MAC address table	8 K	8 K	2 K	4 K	2 K	8 K
Jumbo frame support	2 K	2 K	9 K	9 K	9 K	9 K
L3 forwarding table (IPv4/IPv6)	-	-	-	-	-	-
Routing table	-	-	-	-	-	-
IP interface	-	-	-	-	-	-
Stacking						
Virtual (iStacking)	-	-	-	-	-	-
Physical	-	-	-	-	-	-
Management						
Web GUI	-	-	-	-	-	Yes
Full Command Line Interface (CLI)	-	-	-	-	-	Yes
SNMP/Syslog	-	-	-	-	-	Yes
CNC support	-	-	-	-	-	Yes
Zyxel One Network (ZON)	-	-	-	-	-	-
Zyxel Nebula (Cloud)	-	-	-	-	-	-
sFlow	-	-	-	-	-	-
Features						
VLANs (Static/Dynamic)	-	-	-	-	-	1024
Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)	-	-	-	-	-	-
IP Source Guard	-	-	-	-	-	Yes
QoS support	-	-	Yes	Yes	-	Yes
IGMP snooping	-	-	-	-	-	Yes
IPTV feature set (advanced and granular IGMP control)	-	-	-	-	-	Yes
Loop Detection	-	-	-	-	-	Yes
Enhanced security (BPDU & Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)	-	-	-	-	-	-
Physical						
Mounting type	Wall & Rack	Rack	Desktop & Wall	Desktop & Wall	Wall & DIN-rail	Wall & DIN-rail
Dimensions (WxDxH)(mm/in.)	267 x 162 x 42/ 10.51 x 6.38 x 1.65	441 x 131 x 44/ 17.36 x 5.16 x 1.73	121 x 75 x 26/ 4.8 x 3.0 x 1.0	240 x 105 x 26/ 9.44 x 4.13 x 1.02	291 x 107.3 x 139/ 1.15 x 4.22 x 5.47	77 x 127.3 x 154/ 3.03 x 5.01 x 6.06
Fanless	Yes	Yes	Yes	Yes	Yes	Yes
MTBF (hrs)	101 K	296 K	2139 K	1094 K	568 K	568 K
Redundant power support	-	-	-	-	Yes	Yes

Accessories



PoE Injector and Extender

Product	PoE12-HP
	
Specifications	<ul style="list-style-type: none"> • Install anywhere taking advantage of PoE technology • Simple installation for IEEE 802.3at compatible wireless LAN APs or IP video cameras • Up to 100m coverage via CAT-5 Ethernet cable
Dimensions (WxDxH)(mm/in.)	207 x 65 x 38.5/8.15 x 2.56 x 1.52

Power Module

Product	RPS300	RPS600-HP
		
Specifications	<ul style="list-style-type: none"> • Removable AC power module for XGS3700-24, XGS3700-48, XS3700-24 • Requires 100 V AC to 240 V AC, 5.0 A power 	<ul style="list-style-type: none"> • Removable AC power module for XGS3700-24HP, XGS3700-48HP • Requires 100 V AC to 240 V AC, 8.0 A power

Cable Series

Direct Attached Cable 10G Series	DAC10G	DAC10G-3M
	DAC10G-1M	
		
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	480 mA	480 mA

Transceiver Series

Transceiver Class	10 Gigabit SFP+	
	SFP10G-SR	SFP10G-LR



- Features**
- Industry standards compliant
 - SFP MSA (Multi-Source Agreement) compliant
 - Hot-pluggable with maximum flexibility
 - Compact size, high port density
 - Low power dissipation
 - Support DDMI (Digital Diagnostics Monitoring Interface) features

Specifications		
Connector	Duplex LC	Duplex LC
Wavelength	850 nm	1310 nm
Max Transmission Distance	0.3 km/328 yd	10 km/10936 yd
Support DDMI Features	Yes	Yes
Optical Fiber Type	Multiple Mode	Single Mode

Transceiver Class	Gigabit SFP						
	SFP-1000T	SFP-SX-D	SFP-LX-10-D	SFP-BX1310-10-D ^{*1}	SFP-BX1490-10-D ^{*1}	SFP-LHX1310-40-D	SFP-ZX-80-D



- Features**
- Industry standards compliant
 - SFP MSA (Multi-Source Agreement) compliant
 - Hot-pluggable with maximum flexibility
 - Compact size, high port density
 - Low power dissipation

Specifications								
Connector	RJ-45	LC	LC	LC	LC	LC	LC	LC
Wavelength	-	850 nm	1310 nm	1310 nm (TX) 1490 nm (RX)	1490 nm (TX) 1310 nm (RX)	1310 nm	1310 nm	1550 nm
Max Transmission Distance	0.1 km/ 109 yd	0.55 km/ 601 yd	10 km/ 10936 yd	10 km/ 10936 yd	10 km/ 10936 yd	40 km/ 43744 yd	40 km/ 43744 yd	80 km/ 87488 yd
Support DDMI Features	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Optical Fiber Type	Multiple Mode	Multiple Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode

*1: SFP-BX1310-10-D and SFP-BX1490-10-D are pair used.

ZYXEL

Your Networking Ally

Corporate Headquarters

Zyxel Communications Corp.

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

Europe

Zyxel Belarus

Tel: +375 17 334 6099
Fax: +375 17 334 5899
Email: sales@zyxel.by
http://www.zyxel.by

Zyxel BeNeLux

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

Zyxel Bulgaria (Bulgaria, Macedonia, Albania, Kosovo)

Tel: +3592 4443343
Email: info@cz.zyxel.com
http://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
http://www.zyxel.cz

Zyxel Denmark A/S

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

Zyxel Finland

Tel: +358 9 4780 8400
Email: myynti@zyxel.fi
http://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
http://www.zyxel.fr

Zyxel Germany GmbH

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

Zyxel Hungary & SEE

Tel: +36 1 848 0690
Email: info@zyxel.hu
http://www.zyxel.hu

Zyxel Iberia

Tel: +34 911 792 100
Email: ventas@zyxel.es
http://www.zyxel.es

Zyxel Italy

Tel: +39 011 2308000
Email: info@zyxel.it
http://www.zyxel.it

Zyxel Norway

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

Zyxel Romania

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

Zyxel Russia

Tel: +7 (495) 539-9935
Fax: +7 (495) 542-8925
Email: info@zyxel.ru
http://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
http://www.zyxel.se

Zyxel Switzerland

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

Zyxel Turkey A.S.

Tel: +90 212 314 18 00
Fax: +90 212 220 25 26
Email: bilgi@zyxel.com.tr
http://www.zyxel.com.tr

Zyxel UK Ltd.

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

Zyxel Ukraine

Tel: +380 (50) 440 88 61
Email: evelichko@zyxel.eu
http://www.zyxel.ua

Asia

Zyxel China (Shanghai) China Headquarters

Tel: +86-021-61199055
Fax: +86-021-52069033
Email: sales@zyxel.cn
http://www.zyxel.cn

Zyxel China (Beijing)

Tel: +86-010-62602249
Email: sales@zyxel.cn
http://www.zyxel.cn

Zyxel China (Tianjin)

Tel: +86-022-87890440
Fax: +86-022-87892304
Email: sales@zyxel.cn
http://www.zyxel.cn

Zyxel India

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

Zyxel Kazakhstan

Tel: +7-727-2590-699
Fax: +7-727-2590-689
Email: info@zyxel.kz
http://www.zyxel.kz

Zyxel Korea Corp.

Tel: +82-2-890-5535
Fax: +82-2-890-5537
Email: sales@zyxel.kr
http://www.zyxel.kr

Zyxel Malaysia

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

Zyxel Middle East FZE

Tel: +971 4 372 4483
Cell: +971 562146416
Email: sales@zyxel-me.com
http://www.zyxel-me.com

Zyxel Philippine

Email: sales@zyxel.com.ph
http://www.zyxel.com.ph

Zyxel Singapore

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

Zyxel Taiwan (Taipei)

Tel: +886-2-2739-9889
Fax: +886-2-2735-3220
Email: sales_tw@zyxel.com.tw
http://www.zyxel.com.tw

Zyxel Thailand

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

Zyxel Vietnam

Tel: (+848) 35202910
Fax: (+848) 35202800
Email: sales_vn@zyxel.com.tw
http://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
http://us.zyxel.com

Zyxel Brazil

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

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

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