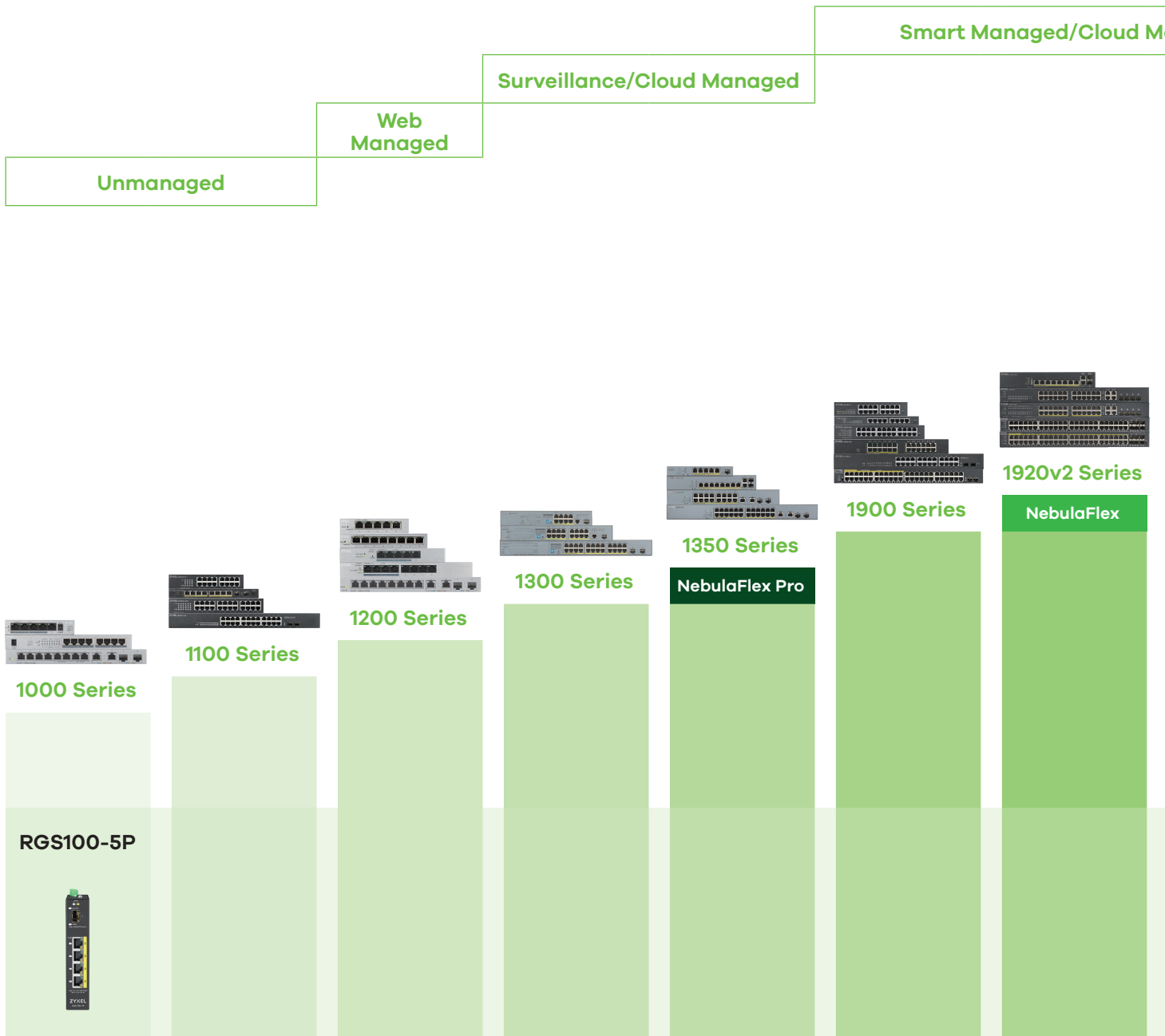




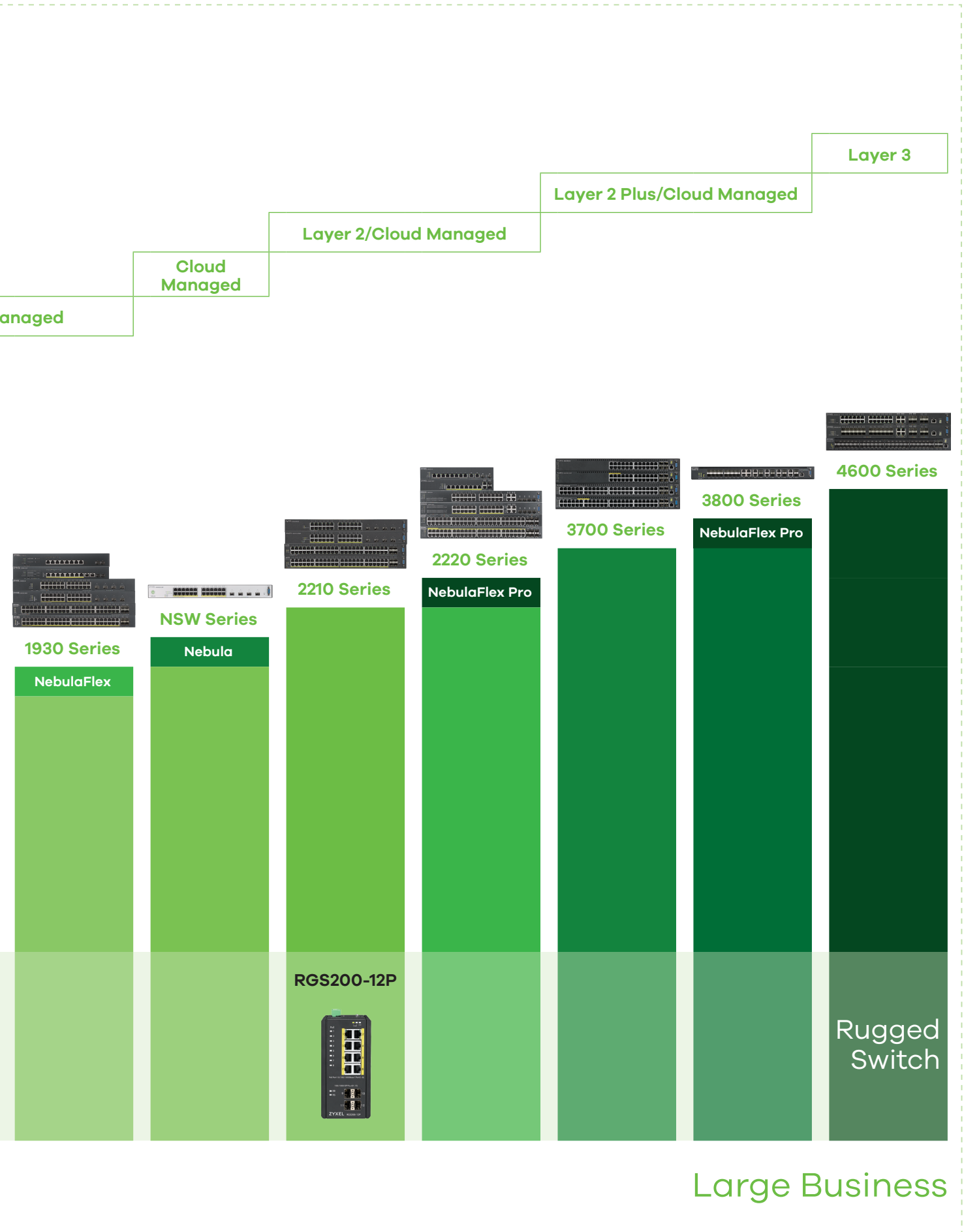
# Switch

# Switching Portfolio Lineup



## Commercial Switch



## Small Business



# Switch Quick Finder

Switch Class	Series	Performance	Model	
<b>L3 Managed</b>	4600 Series	Gigabit Ethernet with 10G Uplink	XGS4600-32	
			XGS4600-32F	
			XGS4600-52F	
<b>L2+ Managed/ NebulaFlex Pro</b>	3800 Series	10 Gigabit Ethernet	XS3800-28	
<b>L2+ Managed</b>	3700 Series	Gigabit Ethernet with 10G Uplink	XGS3700-24	
			XGS3700-24HP	
			XGS3700-48	
			XGS3700-48HP	
<b>L2 Managed</b>	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"> <li>• Four built-in 10G SFP+ uplinks enable congestion-free, smooth data delivery for high-bandwidth applications</li> <li>• Dynamic routing protocols such as RIP and OSPF</li> <li>• Multiple aggregation service options with 24-port copper/fiber and 48-port fiber selections</li> </ul>
XGS4600-32F	24-port SFP slots 4 x GbE combo ports 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• Provides high-bandwidth with true physical stacking of up to 4 units</li> <li>• L2 and L3 stacking capability to fulfill larger network deployment needs</li> </ul>
XGS4600-52F	48-port SFP slots 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• High resiliency with redundant power supply units</li> <li>• Streamlined network initialization and troubleshooting by supporting ZON utility and Zyxel Smart Connect</li> </ul>
XS3800-28	4-port Multi-Gigabit 16 x 10G SFP+ slots 8 x Multi-Gigabit combo ports	<ul style="list-style-type: none"> <li>• NebulaFlex Pro allows users to switch between standalone management and intuitive Nebula cloud managed mode with 1-Year Pro Pack bundled</li> <li>• Nebula cloud management allows easy deployment, real-time configurations and effortless access to all your cloud devices anytime</li> <li>• Unique port combination enables the flexibility for diversity of network</li> <li>• Support Multi-Gigabit for connection at 100M/1G/2.5G/5G/10G</li> <li>• Physical stacking up to 4 units through the last four 10G combo ports</li> <li>• High resiliency with redundant power supply units</li> <li>• Restore to last custom default button eases the process of troubleshooting</li> </ul>
XGS3700-24	24-port 1000BASE-T 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• Full Layer 2 feature set with Layer 3 features including static routing, policy-based routing, VRRP and ECMP support</li> <li>• Physical stacking up to 8 units through 2 standard 10G SFP+ ports</li> <li>• Four (4) 10GbE SFP+ uplink flexibility</li> </ul>
XGS3700-24HP	24-port 1000BASE-T PoE 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• 24 or 48 ports of Gigabit Ethernet desktop connectivity</li> <li>• Hot-swappable power supply module</li> <li>• Internal redundant power supply design</li> <li>• High PoE power budget up to 1000 W</li> </ul>
XGS3700-48	48-port 1000BASE-T 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• Streamlined network initialization and troubleshooting by supporting ZON utility and Zyxel Smart Connect</li> </ul>
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"> <li>• Gigabit connectivity, plus four (4) SFP+ ports to deal with high-bandwidth network with ease</li> <li>• Physical stacking up to 2 units through 2 standard 10G SFP+ ports</li> <li>• VLAN communication through access switch by static routing feature for agile, reliable network operations</li> </ul>
XGS2210-28HP	24-port 1000BASE-T PoE 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• Supports sFlow that analyzes client behavior to discover source of bandwidth abuse</li> <li>• Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection</li> </ul>
XGS2210-52	48-port 1000BASE-T 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• Streamlined network initialization and troubleshooting by supporting ZON utility and Zyxel Smart Connect</li> </ul>
XGS2210-52HP	48-port 1000BASE-T PoE 4 x 10G SFP+ slots	

# Switch Quick Finder

Switch Class	Series	Performance	Model		
<b>L2 Managed/ NebulaFlex Pro</b>	2220 Series	Gigabit Ethernet	GS2220-10		
			GS2220-10HP		
			GS2220-28		
			GS2220-28HP		
			GS2220-50		
			GS2220-50HP		
<b>Cloud Managed</b>	Nebula Series	Gigabit Ethernet with 10G Uplink	NSW200-28P		
<b>Smart Managed/ NebulaFlex</b>	1930 Series	Multi-Gigabit Ethernet	XS1930-10		
			XS1930-12HP		
			Gigabit Ethernet with 10G Uplink	XGS1930-28	
				XGS1930-28HP	
				XGS1930-52	
	1920v2 Series	Gigabit Ethernet	XGS1930-52HP		
			GS1920-8HPv2		
			GS1920-24v2		
			GS1920-24HPv2		
			GS1920-48v2		
GS1920-48HPv2					

# Key Features

Model	Ports	Key Features
GS2220-10	8-port 1000BASE-T 2 x GbE combo ports	<ul style="list-style-type: none"> <li>NebulaFlex Pro allows users to switch between standalone management and intuitive Nebula cloud managed mode with 1-Year Pro Pack bundled</li> </ul>
GS2220-10HP	8-port 1000BASE-T PoE 2 x GbE combo ports	<ul style="list-style-type: none"> <li>L2 multicast, IGMP snooping, MVR and voice VLAN for convergence</li> </ul>
GS2220-28	24-port 1000BASE-T 4 x GbE combo ports	<ul style="list-style-type: none"> <li>High power budget of 375 W (28HP/52HP) and 180 W (10HP) within its compact case design simplifying rack installation</li> </ul>
GS2220-28HP	24-port 1000BASE-T PoE 4 x GbE combo ports	<ul style="list-style-type: none"> <li>Smart fan and fanless designs offer near silent operations in both desktop and rack-mount environment</li> <li>Check real-time status intuitively by cloud and PoE LED indicators</li> </ul>
GS2220-50	44-port 1000BASE-T 2 x GbE SFP slots 4 x GbE combo ports	
GS2220-50HP	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"> <li>User-friendly ACL and VLAN configuration</li> <li>Support 10GbE uplinks to servers for high bandwidth network</li> <li>Optimized for quality voice and video traffic with high 375-watt power budget PoE technology</li> <li>Support Port Mirroring for network traffic monitoring</li> <li>Support DHCP Server Guard and IGMP snooping</li> <li>RADIUS, static MAC forwarding and 802.1X authentication</li> </ul>
XS1930-10	8-port Multi-Gigabit 2 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>NebulaFlex gives you the flexibility to switch between standalone and our license-free Nebula cloud management</li> </ul>
XS1930-12HP	8-port Multi-Gigabit PoE 2-port 10GBASE-T 2 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>Support Multi-Gigabit for 100M/1G/2.5G/5G/10G connections with its unique and intuitive 5-color LED port speed indication</li> <li>XS1930-12HP supports 802.3bt PoE++ offering a maximum of 60 W per port and with a maximum power budget of 375 W</li> <li>Smart fan design delivers near silent Multi-Gigabit operation</li> <li>Rich L2 feature set with L3 static route makes it an affordable choice for aggregation switch</li> </ul>
XGS1930-28	24-port 1000BASE-T 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>NebulaFlex gives you the flexibility to switch between standalone and our license-free Nebula cloud management</li> </ul>
XGS1930-28HP	24-port 1000BASE-T PoE 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>Nebula cloud management allows easy deployment, real-time configurations and effortless access to all your cloud devices anytime</li> <li>Handles the increasing high-bandwidth applications in your office affordably with four built-in 10G SFP+ uplinks</li> </ul>
XGS1930-52	48-port 1000BASE-T 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>Easy management and setup with web-based interface and intuitive wizard</li> </ul>
XGS1930-52HP	48-port 1000BASE-T PoE 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>User-friendly design includes one-touch "Restore" button and intuitive PoE usage LED</li> <li>Smart fan design offers silent operations in both desktop or rack-mount environment</li> </ul>
GS1920-8HPv2	8-port 1000 BASE-T PoE 2 x GbE combo ports	<ul style="list-style-type: none"> <li>NebulaFlex gives you the flexibility to switch between standalone and our license-free Nebula cloud management</li> </ul>
GS1920-24v2	24-port 1000 BASE-T 4 x GbE combo ports	<ul style="list-style-type: none"> <li>Nebula cloud management allows easy deployment, real-time configurations and effortless access to all your cloud devices anytime</li> </ul>
GS1920-24HPv2	24-port 1000 BASE-T PoE 4 x GbE combo ports	<ul style="list-style-type: none"> <li>Using user-friendly web-based GUI to manage and set up the switch without learning complex CLI</li> </ul>
GS1920-48v2	44-port 1000BASE-T 2 x GbE SFP slots 4 x GbE combo ports	<ul style="list-style-type: none"> <li>Smart fan design offers silent operations in both desktop or rack-mount environment</li> </ul>
GS1920-48HPv2	48-port 1000BASE-T PoE 2 x GbE SFP slots 4 x GbE combo ports	<ul style="list-style-type: none"> <li>One-touch restore to last custom default button</li> </ul>

# Switch Quick Finder

Switch Class	Series	Performance	Model	
<b>Smart Managed</b>	1900 Series	Gigabit Ethernet	GS1900-8	
			GS1900-8HP	
			GS1900-10HP	
			GS1900-16	
			GS1900-24E	
			GS1900-24EP	
			GS1900-24	
			GS1900-24HPv2	
			GS1900-48	
			GS1900-48HPv2	
<b>Surveillance Managed</b>	1350 Series	Gigabit Ethernet	GS1350-6HP	
			GS1350-12HP	
			GS1350-18HP	
			GS1350-26HP	
<b>Surveillance Unmanaged</b>	1300 Series	Gigabit Ethernet	GS1300-10HP	
			GS1300-18HP	
			GS1300-26HP	



# Key Features

Model	Ports	Key Features
GS1900-8	8-port 1000BASE-T	<ul style="list-style-type: none"> <li>• Smart fan and fanless design offer near silent operations in both desktop and rack-mount environment</li> <li>• Easy browser-based switch management, with quick and easy set up wizard</li> <li>• Manage advanced features easily through user-friendly web interface</li> <li>• Intelligent IEEE 802.3at PoE+ allows to power more devices</li> <li>• Streamlined network initialization by supporting ZON utility</li> </ul>
GS1900-8HP	8-port 1000BASE-T PoE	
GS1900-10HP	8-port 1000BASE-T PoE 2 x GbE SFP slots	
GS1900-16	16-port 1000BASE-T	
GS1900-24E	24-port 1000BASE-T	
GS1900-24EP	12 x GbE PoE RJ-45 ports 12 x GbE RJ-45 ports	
GS1900-24	24-port 1000BASE-T 2 x GbE SFP slots	
GS1900-24HPv2	24-port 1000BASE-T PoE 2 x GbE SFP slots	
GS1900-48	48-port 1000BASE-T 2 x GbE SFP slots	
GS1900-48HPv2	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"> <li>• NebulaFlex Pro allows users to switch between standalone management and intuitive Nebula cloud managed mode with 1-Year Pro Pack bundled</li> <li>• Dedicated surveillance mode offers surveillance installers to setup surveillance networks effortlessly</li> <li>• Auto camera recovery</li> <li>• Large power budget</li> <li>• Up to 250 meters transmission</li> <li>• Enhanced surge and ESD protection</li> </ul>
GS1350-12HP	8-port 1000BASE-T PoE 2 x GbE SFP slots 2 x GbE 1000BASE-T	
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"> <li>• Large power budget</li> <li>• Up to 250 meters transmission</li> <li>• Intuitive PoE usage LED</li> <li>• Support both copper and fiber uplink ports</li> <li>• Internal power supply</li> </ul>
GS1300-18HP	16-port 1000BASE-T PoE 1 x GbE SFP slot 1-port 1000BASE-T	
GS1300-26HP	24-port 1000BASE-T PoE 2 x GbE SFP slots	

# Switch Quick Finder

Switch Class	Series	Performance	Model		
<b>Web Managed</b>	1200 Series	Multi-Gigabit Ethernet	XGS1250-12*		
			XGS1210-12		
	Gigabit Ethernet	GS1200-5			
		GS1200-5HP v2			
		GS1200-8			
		GS1200-8HP v2			
	<b>Unmanaged</b>	1100 Series	Gigabit Ethernet	GS1100-10HP	
				GS1100-16	
				GS1100-24E	
				GS1100-24	
Fast Ethernet				ES1100-8P	
				ES1100-16	
				ES1100-24E	
				ES1100-24	
		1000 Series	Multi-Gigabit Ethernet	XGS1010-12	
				Gigabit Ethernet	GS1005HP
	GS1008HP				
	<b>Rugged Managed</b>			200 Series	Gigabit Ethernet
<b>Rugged Unmanaged</b>	100 Series	Gigabit Ethernet	RGS100-5P		

\* Available in Q4 2020.

# Key Features

Model	Ports	Key Features
XGS1250-12*	8-port 1000BASE-T 3-port Multi-Gigabit 1 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• Multi-Gigabit support with 100M/1G/2.5G/5G/10G connections</li> <li>• Unique and intuitive 5-color LED port speed indication</li> <li>• Intuitive web GUI for management</li> <li>• QoS for better traffic control</li> <li>• VLAN for enhanced network security</li> <li>• Link Aggregation for throughput increasing</li> <li>• IGMP Snooping for optimized traffic delivery</li> </ul>
XGS1210-12	8-port 1000BASE-T 2-port 2500BASE-T 2 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• 10G SFP+ Uplink</li> <li>• Multi-Gigabit support with 100M/1G/2.5G connections</li> <li>• Intuitive web GUI for management</li> <li>• QoS for better traffic control</li> <li>• VLAN for enhanced network security</li> <li>• Link Aggregation for throughput increasing</li> <li>• IGMP Snooping for optimized traffic delivery</li> </ul>
GS1200-5	5-port 1000BASE-T	<ul style="list-style-type: none"> <li>• Easy web management</li> <li>• IGMP Snooping for optimized traffic delivery</li> </ul>
GS1200-5HP v2	1-port 1000BASE-T 4-port 1000BASE-T PoE	<ul style="list-style-type: none"> <li>• VLAN segregation for enhanced network security</li> <li>• Enhanced port-based QoS for better traffic control</li> </ul>
GS1200-8	8-port 1000BASE-T	<ul style="list-style-type: none"> <li>• Link Aggregation increase throughput</li> </ul>
GS1200-8HP v2	4-port 1000BASE-T 4-port 1000BASE-T PoE	<ul style="list-style-type: none"> <li>• Smart PoE+ 802.3af/802.3at support (GS1200-5HP v2/GS1200-8HP v2)</li> <li>• Fanless, noiseless design</li> </ul>
GS1100-10HP	8-port 1000BASE-T PoE 2 x GbE SFP slots	<ul style="list-style-type: none"> <li>• Plug and play Gigabit wire-speed</li> <li>• Efficient Energy saving with green Ethernet features</li> </ul>
GS1100-16	16-port 1000BASE-T	<ul style="list-style-type: none"> <li>• Fanless design for whisper quiet operation</li> </ul>
GS1100-24E	24-port 1000BASE-T	<ul style="list-style-type: none"> <li>• Easily to check status with intuitive port LED</li> <li>• GS1100-10HP supports PoE+</li> </ul>
GS1100-24	24-port 1000BASE-T 2 x GbE SFP slots	<ul style="list-style-type: none"> <li>• Flexible choices from 8-port to 24-port</li> </ul>
ES1100-8P	4-port 10/100BASE-T 4-port 10/100BASE-T PoE	<ul style="list-style-type: none"> <li>• Non-blocking, wire-speed transmission</li> <li>• Auto MDI/MDI-X support</li> </ul>
ES1100-16	16-port 10/100BASE-T	<ul style="list-style-type: none"> <li>• IEEE 802.3az draft Energy Efficient Ethernet compliant (ES1100-16/24/24E)</li> </ul>
ES1100-24E	24-port 10/100BASE-T	<ul style="list-style-type: none"> <li>• Fanless design for silent operations</li> </ul>
ES1100-24	24-port 10/100BASE-T	<ul style="list-style-type: none"> <li>• IEEE 802.3x flow control supported</li> <li>• IEEE 802.1p CoS supported</li> </ul>
XGS1010-12	8-port 1000BASE-T 2-port 2500BASE-T 2 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• 10G SFP+ Uplink</li> <li>• Multi-Gigabit speed support</li> <li>• QoS for better traffic control</li> <li>• Plug and Play</li> <li>• Fanless, noiseless design</li> <li>• Advanced energy-savings at work</li> </ul>
GS1005HP	1-port 1000BASE-T 4-port 1000BASE-T PoE	<ul style="list-style-type: none"> <li>• 60 Watts of total output on 4/8 Gigabit PoE+ ports</li> <li>• LED indicators for PoE budget management</li> </ul>
GS1008HP	8-port 1000BASE-T PoE	<ul style="list-style-type: none"> <li>• Blazing-fast Gigabit connection</li> <li>• Advanced energy-savings at work</li> <li>• Fanless, noiseless design</li> </ul>
RGS200-12P	8-port 1000BASE-T 4 x GbE SFP slots	<ul style="list-style-type: none"> <li>• Wide-ranging operating temperature design from -40°C to 75°C</li> <li>• Fanless design and compact mechanism with IP30 standard</li> <li>• Redundant ring technology with quick failover in less than 20 ms</li> <li>• Dual power inputs (12 V - 58 V DC)</li> <li>• Full PoE+ support and high PoE power budget up to 240 W</li> </ul>
RGS100-5P	4-port 1000BASE-T 1 x GbE SFP slot	<ul style="list-style-type: none"> <li>• Wide-ranging operating temperature design from -40°C to 75°C</li> <li>• Fanless design and compact mechanism with IP30 standard</li> <li>• All PoE ports support PoE+ and high PoE power budget up to 120 W</li> <li>• Dual power inputs (12 V - 58 V DC)</li> </ul>

\* Available in Q4 2020.

# LAN Switches Feature Matrix

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

\* Multi-Gigabit combo

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

Model	2220 Series						Nebula Series
	GS2220-10	GS2220-10HP	GS2220-28	GS2220-28HP	GS2220-50	GS2220-50HP	NSW200-28P
Switch class	L2 Managed	L2 Managed	L2 Managed	L2 Managed	L2 Managed	L2 Managed	Cloud Managed
<b>Ports</b>							
Total port count	10	10	28	28	50	50	28
Fast Ethernet (RJ-45)	-	-	-	-	-	-	-
Gigabit Ethernet (RJ-45)	8	8	24	24	44	44	24
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+	-	-	-	-	-	-	4
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	-	-	-	-
Configurable extended range ports	-	-	-	-	-	-	-
<b>PoE</b>							
Total PoE budget (Watts)	-	180	-	375	-	375	375
PoE ports	-	8	-	24	-	48	24
High power PoE 802.3at	-	Yes	-	Yes	-	Yes	Yes
<b>Performance</b>							
Switching capacity (Gbps)	20	20	56	56	100	100	128
Forwarding rate (Mpps)	15	15	42	42	74	74	95.2
Packet buffer (byte)	1.5 M	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	16 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	-	-	-	-	-	-	-
<b>Stacking</b>							
Virtual (iStacking)	24	24	24	24	24	24	-
Physical	-	-	-	-	-	-	-
<b>Management</b>							
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	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	Yes
sFlow	-	-	-	-	-	-	-
<b>Features</b>							
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)	Yes	Yes	Yes	Yes	Yes	Yes	-
IP source guard	Yes	Yes	Yes	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)	Yes	Yes	Yes	Yes	Yes	Yes	-
Loop detection	Yes	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	-
<b>Physical</b>							
Mounting type	Wall & Rack	Rack	Rack	Rack	Rack	Rack	Rack
Dimensions (WxDxH)(mm/in.)	267 x 162 x 44/ 10.51 x 6.38 x 1.73	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	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	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75
Fanless	Yes	-	Yes	-	-	-	-
MTBF (hrs)	1213 K	587 K	989 K	693 K	660 K	466 K	560 K
Redundant power support	-	-	-	-	-	-	-

Model	1930 Series					
	XS1930-10	XS1930-12HP	XGS1930-28	XGS1930-28HP	XGS1930-52	XGS1930-52HP
Switch class	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed
<b>Ports</b>						
Total port count	-	-	28	28	52	52
Fast Ethernet (RJ-45)	-	-	-	-	-	-
Gigabit Ethernet (RJ-45)	-	-	24	24	48	48
Gigabit Combo (RJ-45/SFP)	-	-	-	-	-	-
Gigabit SFP	-	-	-	-	-	-
10 Gigabit Ethernet (RJ-45)	-	-	-	-	-	-
1G/2.5G/5G/10G Ethernet (RJ-45)	8	10	-	-	-	-
10 Gigabit SFP+	2	2	4	4	4	4
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	-	-	-
Configurable extended range ports	-	-	-	-	-	-
<b>PoE</b>						
Total PoE budget (Watts)	-	375	-	375	-	375
PoE ports	-	8	-	24	-	48
High power PoE 802.3at	-	802.3bt	-	Yes	-	Yes
<b>Performance</b>						
Switching capacity (Gbps)	200	240	128	128	176	176
Forwarding rate (Mpps)	148.8	178.5	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	12 K	12 K	9 K	9 K	9 K	9 K
L3 forwarding table (IPv4/IPv6)	512/512	512/512	512/512	512/512	512/512	512/512
Routing table	32	32	32	32	32	32
IP interface	32	32	32	32	32	32
<b>Stacking</b>						
Virtual (iStacking)	-	-	-	-	-	-
Physical	-	-	-	-	-	-
<b>Management</b>						
Web GUI	Yes	Yes	Yes	Yes	Yes	Yes
Full Command Line Interface (CLI)	-	-	-	-	-	-
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	Yes	Yes	Yes	Yes	Yes
sFlow	-	-	-	-	-	-
<b>Features</b>						
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)	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN
IP source guard	-	-	-	-	-	-
QoS support	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping	Yes	Yes	Yes	Yes	Yes	Yes
IPTV feature set (advanced and granular IGMP control)	-	-	-	-	-	-
Loop detection	Yes	Yes	Yes	Yes	Yes	Yes
Enhanced security (BPDU & Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)	-	-	-	-	-	-
<b>Physical</b>						
Mounting type	Rack	Rack	Rack	Rack	Rack	Rack
Dimensions (WxDxH)(mm/in.)	330 x 230 x 44/ 12.99 x 9.06 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	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
Fanless	-	-	Yes	-	-	-
MTBF (hrs)	778 K	582 K	1211 K	1369 K	827 K	494 K
Redundant power support	-	-	-	-	-	-

Model	1920v2 Series				
	GS1920-8HPv2	GS1920-24v2	GS1920-24HPv2	GS1920-48v2	GS1920-48HPv2
<b>Switch class</b>	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed
<b>Ports</b>					
<b>Total port count</b>	10	28	28	50	50
<b>Fast Ethernet (RJ-45)</b>	-	-	-	-	-
<b>Gigabit Ethernet (RJ-45)</b>	8	24	24	44	44
<b>Gigabit Combo (RJ-45/SFP)</b>	2	4	4	4	4
<b>Gigabit SFP</b>	-	-	-	2	2
<b>10 Gigabit Ethernet (RJ-45)</b>	-	-	-	-	-
<b>1G/2.5G/5G/10G Ethernet (RJ-45)</b>	-	-	-	-	-
<b>10 Gigabit SFP+</b>	-	-	-	-	-
<b>10 Gigabit Combo (RJ-45/SFP+)</b>	-	-	-	-	-
<b>Configurable extended range ports</b>	-	-	-	-	-
<b>PoE</b>					
<b>Total PoE budget (Watts)</b>	130	-	375	-	375
<b>PoE ports</b>	8	-	24	-	48
<b>High power PoE 802.3at</b>	Yes	-	Yes	-	Yes
<b>Performance</b>					
<b>Switching capacity (Gbps)</b>	20	56	56	100	100
<b>Forwarding rate (Mpps)</b>	15	42	42	74	74
<b>Packet buffer (byte)</b>	1.5 M	1.5 M	1.5 M	1.5 M	1.5 M
<b>MAC address table</b>	16 K	16 K	16 K	16 K	16 K
<b>Jumbo frame support</b>	9 K	9 K	9 K	9 K	9 K
<b>L3 forwarding table (IPv4/IPv6)</b>	-	-	-	-	-
<b>Routing table</b>	-	-	-	-	-
<b>IP interface</b>	-	-	-	-	-
<b>Stacking</b>					
<b>Virtual (iStacking)</b>	24	24	24	24	24
<b>Physical</b>	-	-	-	-	-
<b>Management</b>					
<b>Web GUI</b>	Yes	Yes	Yes	Yes	Yes
<b>Full Command Line Interface (CLI)</b>	-	-	-	-	-
<b>SNMP/Syslog</b>	Yes	Yes	Yes	Yes	Yes
<b>CNC support</b>	Yes	Yes	Yes	Yes	Yes
<b>Zyxel One Network (ZON)</b>	Yes	Yes	Yes	Yes	Yes
<b>Zyxel Nebula (Cloud)</b>	Yes	Yes	Yes	Yes	Yes
<b>sFlow</b>	-	-	-	-	-
<b>Features</b>					
<b>VLANs (Static/Dynamic)</b>	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K	1 K/4 K
<b>Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)</b>	Yes	Yes	Yes	Yes	Yes
<b>IP source guard</b>	Yes	Yes	Yes	Yes	Yes
<b>QoS support</b>	Yes	Yes	Yes	Yes	Yes
<b>IGMP snooping</b>	Yes	Yes	Yes	Yes	Yes
<b>IPTV feature set (advanced and granular IGMP control)</b>	-	-	-	-	-
<b>Loop detection</b>	Yes	Yes	Yes	Yes	Yes
<b>Enhanced security (BPDU &amp; Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)</b>	-	-	-	-	-
<b>Physical</b>					
<b>Mounting type</b>	Wall & Desk	Rack	Rack	Rack	Rack
<b>Dimensions (WxDxH)(mm/in.)</b>	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	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
<b>Fanless</b>	Yes	Yes	-	-	-
<b>MTBF (hrs)</b>	513 K	911 K	638 K	672 K	502 K
<b>Redundant power support</b>	-	-	-	-	-



Model	1900 Series						
	GS1900-8	GS1900-8HP	GS1900-10HP	GS1900-16	GS1900-24E	GS1900-24EP	GS1900-24
<b>Switch class</b>	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed
<b>Ports</b>							
<b>Total port count</b>	8	8	10	16	24	24	26
<b>Fast Ethernet (RJ-45)</b>	-	-	-	-	-	-	-
<b>Gigabit Ethernet (RJ-45)</b>	8	8	8	16	24	24	24
<b>Gigabit Combo (RJ-45/SFP)</b>	-	-	-	-	-	-	-
<b>Gigabit SFP</b>	-	-	2	-	-	-	2
<b>10 Gigabit Ethernet (RJ-45)</b>	-	-	-	-	-	-	-
<b>1G/2.5G/5G/10G Ethernet (RJ-45)</b>	-	-	-	-	-	-	-
<b>10 Gigabit SFP+</b>	-	-	-	-	-	-	-
<b>10 Gigabit Combo (RJ-45/SFP+)</b>	-	-	-	-	-	-	-
<b>Configurable extended range ports</b>	-	-	-	-	-	-	-
<b>PoE</b>							
<b>Total PoE budget (Watts)</b>	-	70	77	-	-	130	-
<b>PoE ports</b>	-	8	8	-	-	12	-
<b>High power PoE 802.3at</b>	-	Yes	Yes	-	-	Yes	-
<b>Performance</b>							
<b>Switching capacity (Gbps)</b>	16	16	20	32	48	48	52
<b>Forwarding rate (Mpps)</b>	11.9	11.9	14.88	23.8	35.7	35.7	39
<b>Packet buffer (byte)</b>	525 K	525 K	525 K	525 K	525 K	525 K	525 K
<b>MAC address table</b>	8 K	8 K	8 K	8 K	8 K	8 K	8 K
<b>Jumbo frame support</b>	9 K	9 K	9 K	9 K	9 K	9 K	9 K
<b>L3 forwarding table (IPv4/IPv6)</b>	-	-	-	-	-	-	-
<b>Routing table</b>	-	-	-	-	-	-	-
<b>IP interface</b>	-	-	-	-	-	-	-
<b>Stacking</b>							
<b>Virtual (iStacking)</b>	-	-	-	-	-	-	-
<b>Physical</b>	-	-	-	-	-	-	-
<b>Management</b>							
<b>Web GUI</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Full Command Line Interface (CLI)</b>	-	-	-	-	-	-	-
<b>SNMP/Syslog</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>CNC support</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Zyxel One Network (ZON)</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Zyxel Nebula (Cloud)</b>	-	-	-	-	-	-	-
<b>sFlow</b>	-	-	-	-	-	-	-
<b>Features</b>							
<b>VLANs (Static/Dynamic)</b>	1 K/-	1 K/-	1 K/-	1 K/-	1 K/-	1 K/-	1 K/-
<b>Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)</b>	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN
<b>IP source guard</b>	-	-	-	-	-	-	-
<b>QoS support</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>IGMP snooping</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>IPTV feature set (advanced and granular IGMP control)</b>	-	-	-	-	-	-	-
<b>Loop detection</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Enhanced security (BPDU &amp; Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)</b>	-	-	-	-	-	-	-
<b>Physical</b>							
<b>Mounting type</b>	Wall	Wall	Wall	Wall & Rack	Wall & Rack	Rack	Rack
<b>Dimensions (WxDxH)(mm/in.)</b>	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	267 x 162 x 42/ 10.51 x 6.37 x 1.65	330 x 230 x 44/ 12.99 x 9.06 x 1.73	440 x 131 x 44/ 17.32 x 5.16 x 1.73
<b>Fanless</b>	Yes	Yes	Yes	Yes	Yes	-	Yes
<b>MTBF (hrs)</b>	862 K	926 K	801 K	843 K	804 K	910 K	432 K
<b>Redundant power support</b>	-	-	-	-	-	-	-

Model	1900 Series			1350 Series			
	GS1900-24HPv2	GS1900-48	GS1900-48HPv2	GS1350-6HP	GS1350-12HP	GS1350-18HP	GS1350-26HP
<b>Switch class</b>	Smart Managed	Smart Managed	Smart Managed	Surveillance Managed	Surveillance Managed	Surveillance Managed	Surveillance Managed
<b>Ports</b>							
<b>Total port count</b>	26	50	50	6	12	18	26
<b>Fast Ethernet (RJ-45)</b>	-	-	-	-	-	-	-
<b>Gigabit Ethernet (RJ-45)</b>	24	48	48	5	10	16	24
<b>Gigabit Combo (RJ-45/SFP)</b>	-	-	-	-	-	2	2
<b>Gigabit SFP</b>	2	2	2	1	2	-	-
<b>10 Gigabit Ethernet (RJ-45)</b>	-	-	-	-	-	-	-
<b>1G/2.5G/5G/10G Ethernet (RJ-45)</b>	-	-	-	-	-	-	-
<b>10 Gigabit SFP+</b>	-	-	-	-	-	-	-
<b>10 Gigabit Combo (RJ-45/SFP+)</b>	-	-	-	-	-	-	-
<b>Configurable extended range ports</b>	-	-	-	5	10	16	24
<b>PoE</b>							
<b>Total PoE budget (Watts)</b>	170	-	170	60	130	250	375
<b>PoE ports</b>	24	-	24	5	8	16	24
<b>High power PoE 802.3at</b>	Yes	-	Yes	Yes 802.3bt (port 1-2)	Yes	Yes	Yes
<b>Performance</b>							
<b>Switching capacity (Gbps)</b>	52	100	100	12	24	36	52
<b>Forwarding rate (Mpps)</b>	39	74	74	8.9	17.8	26.7	38.7
<b>Packet buffer (byte)</b>	525 K	525 K	525 K	525 K	525 K	525 K	525 K
<b>MAC address table</b>	8 K	8 K	8 K	8 K	8 K	8 K	8 K
<b>Jumbo frame support</b>	9 K	9 K	9 K	9 K	9 K	9 K	9 K
<b>L3 forwarding table (IPv4/IPv6)</b>	-	-	-	-	-	-	-
<b>Routing table</b>	-	-	-	-	-	-	-
<b>IP interface</b>	-	-	-	-	-	-	-
<b>Stacking</b>							
<b>Virtual (iStacking)</b>	-	-	-	-	-	-	-
<b>Physical</b>	-	-	-	-	-	-	-
<b>Management</b>							
<b>Web GUI</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Full Command Line Interface (CLI)</b>	-	-	-	-	-	-	-
<b>SNMP/Syslog</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>CNC support</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Zyxel One Network (ZON)</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Zyxel Nebula (Cloud)</b>	-	-	-	-	-	-	-
<b>sFlow</b>	-	-	-	-	-	-	-
<b>Features</b>							
<b>VLANs (Static/Dynamic)</b>	1 K/-	1 K/-	1 K/-	256/-	256/-	256/-	256/-
<b>Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)</b>	Guest VLAN	Guest VLAN	Guest VLAN	-	-	-	-
<b>IP source guard</b>	-	-	-	-	-	-	-
<b>QoS support</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>IGMP snooping</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>IPTV feature set (advanced and granular IGMP control)</b>	-	-	-	-	-	-	-
<b>Loop detection</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Enhanced security (BPDU &amp; Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)</b>	-	-	-	-	-	-	-
<b>Physical</b>							
<b>Mounting type</b>	Rack	Rack	Rack	Wall	Rack	Rack	Rack
<b>Dimensions (WxDxH)(mm/in.)</b>	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
<b>Fanless</b>	-	-	-	Yes	-	-	-
<b>MTBF (hrs)</b>	879 K	229 K	612 K	2022 K	1065 K	1700 K	888 K
<b>Redundant power support</b>	-	-	-	-	-	-	-

Model	1300 Series			1200 Series			
	GS1300-10HP	GS1300-18HP	GS1300-26HP	XGS1250-12*	XGS1210-12	GS1200-5HP v2	GS1200-8HP v2
<b>Switch class</b>	Surveillance Unmanaged	Surveillance Unmanaged	Surveillance Unmanaged	Web Managed	Web Managed	Web Managed	Web Managed
<b>Ports</b>							
<b>Total port count</b>	10	18	26	12	12	5	8
<b>Fast Ethernet (RJ-45)</b>	-	-	-	-	-	-	-
<b>Gigabit Ethernet (RJ-45)</b>	9	17	24	8	8	5	8
<b>Gigabit Combo (RJ-45/SFP)</b>	-	-	-	-	-	-	-
<b>Gigabit SFP</b>	1	1	2	-	-	-	-
<b>10 Gigabit Ethernet (RJ-45)</b>	-	-	-	-	-	-	-
<b>1G/2.5G/5G/10G Ethernet (RJ-45)</b>	-	-	-	3	2 (1G/2.5G)	-	-
<b>10 Gigabit SFP+</b>	-	-	-	1	2	-	-
<b>10 Gigabit Combo (RJ-45/SFP+)</b>	-	-	-	-	-	-	-
<b>Configurable extended range ports</b>	2	4	4	-	-	-	-
<b>PoE</b>							
<b>Total PoE budget (Watts)</b>	130	170	250	-	-	60	60
<b>PoE ports</b>	8	16	24	-	-	4	4
<b>High power PoE 802.3at</b>	Yes	Yes	Yes	-	-	Yes	Yes
<b>Performance</b>							
<b>Switching capacity (Gbps)</b>	20	36	52	96	66	10	16
<b>Forwarding rate (Mpps)</b>	14.8	26.7	38.7	71.42	49	7.44	11.9
<b>Packet buffer (byte)</b>	525 K	525 K	525 K	1.5 M	1.5 M	128 K	192 K
<b>MAC address table</b>	8 K	8 K	8 K	16 K	16 K	2 K	4 K
<b>Jumbo frame support</b>	9 K	9 K	9 K	12 K	12 K	9 K	9 K
<b>L3 forwarding table (IPv4/IPv6)</b>	-	-	-	-	-	-	-
<b>Routing table</b>	-	-	-	-	-	-	-
<b>IP interface</b>	-	-	-	-	-	-	-
<b>Stacking</b>							
<b>Virtual (iStacking)</b>	-	-	-	-	-	-	-
<b>Physical</b>	-	-	-	-	-	-	-
<b>Management</b>							
<b>Web GUI</b>	-	-	-	Yes	Yes	Yes	Yes
<b>Full Command Line Interface (CLI)</b>	-	-	-	-	-	-	-
<b>SNMP/Syslog</b>	-	-	-	-	-	-	-
<b>CNC support</b>	-	-	-	-	-	-	-
<b>Zyxel One Network (ZON)</b>	-	-	-	Yes	Yes	-	-
<b>Zyxel Nebula (Cloud)</b>	-	-	-	-	-	-	-
<b>sFlow</b>	-	-	-	-	-	-	-
<b>Features</b>							
<b>VLANs (Static/Dynamic)</b>	-	-	-	32/-	32/-	32/-	32/-
<b>Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)</b>	-	-	-	-	-	-	-
<b>IP source guard</b>	-	-	-	-	-	-	-
<b>QoS support</b>	-	-	-	Yes	Yes	Yes	Yes
<b>IGMP snooping</b>	-	-	-	Yes	Yes	Yes	Yes
<b>IPTV feature set (advanced and granular IGMP control)</b>	-	-	-	-	-	-	-
<b>Loop detection</b>	-	-	-	Yes	Yes	Yes	Yes
<b>Enhanced security (BPDU &amp; Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)</b>	-	-	-	-	-	-	-
<b>Physical</b>							
<b>Mounting type</b>	Wall & Rack	Rack	Rack	Desktop	Desktop	Desktop & Wall	Desktop & Wall
<b>Dimensions (WxDxH)(mm/in.)</b>	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	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	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
<b>Fanless</b>	-	-	-	-	Yes	Yes	Yes
<b>MTBF (hrs)</b>	395 K	379 K	348 K	529 K	537 K	896 K	1089 K
<b>Redundant power support</b>	-	-	-	-	-	-	-


\* Available in Q4 2020.

Model	1200 Series		1100 Series					
	GS1200-5	GS1200-8	GS1100-10HP	GS1100-16	GS1100-24E	GS1100-24	ES1100-8P	ES1100-16
<b>Switch class</b>	Web Managed	Web Managed	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged
<b>Ports</b>								
<b>Total port count</b>	5	8	10	16	24	26	8	16
<b>Fast Ethernet (RJ-45)</b>	-	-	-	-	-	-	8	16
<b>Gigabit Ethernet (RJ-45)</b>	5	8	8	16	24	24	-	-
<b>Gigabit Combo (RJ-45/SFP)</b>	-	-	-	-	-	-	-	-
<b>Gigabit SFP</b>	-	-	2	-	-	2	-	-
<b>10 Gigabit Ethernet (RJ-45)</b>	-	-	-	-	-	-	-	-
<b>1G/2.5G/5G/10G Ethernet (RJ-45)</b>	-	-	-	-	-	-	-	-
<b>10 Gigabit SFP+ Uplinks</b>	-	-	-	-	-	-	-	-
<b>10 Gigabit Combo (RJ-45/SFP+)</b>	-	-	-	-	-	-	-	-
<b>Configurable extended range ports</b>	-	-	-	-	-	-	-	-
<b>PoE</b>								
<b>Total PoE budget (Watts)</b>	-	-	130	-	-	-	64	-
<b>PoE ports</b>	-	-	8	-	-	-	4	-
<b>High power PoE 802.3at</b>	-	-	Yes	-	-	-	-	-
<b>Performance</b>								
<b>Switching capacity (Gbps)</b>	10	16	20	32	48	52	1.6	3.2
<b>Forwarding rate (Mpps)</b>	7.44	11.9	14.88	23.8	35.7	38.7	1.2	2.4
<b>Packet buffer (byte)</b>	128 K	192 K	256 K	256 K	525 K	525 K	96 K	256 K
<b>MAC address table</b>	2 K	4 K	8 K	8 K	8 K	8 K	1 K	8 K
<b>Jumbo frame support</b>	9 K	9 K	9 K	9 K	10 K	10 K	-	2 K
<b>L3 forwarding table (IPv4/IPv6)</b>	-	-	-	-	-	-	-	-
<b>Routing table</b>	-	-	-	-	-	-	-	-
<b>IP interface</b>	-	-	-	-	-	-	-	-
<b>Stacking</b>								
<b>Virtual (iStacking)</b>	-	-	-	-	-	-	-	-
<b>Physical</b>	-	-	-	-	-	-	-	-
<b>Management</b>								
<b>Web GUI</b>	Yes	Yes	-	-	-	-	-	-
<b>Full Command Line Interface (CLI)</b>	-	-	-	-	-	-	-	-
<b>SNMP/Syslog</b>	-	-	-	-	-	-	-	-
<b>CNC support</b>	-	-	-	-	-	-	-	-
<b>Zyxel One Network (ZON)</b>	-	-	-	-	-	-	-	-
<b>Zyxel Nebula (Cloud)</b>	-	-	-	-	-	-	-	-
<b>sFlow</b>	-	-	-	-	-	-	-	-
<b>Features</b>								
<b>VLANs (Static/Dynamic)</b>	32/-	32/-	-	-	-	-	-	-
<b>Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)</b>	-	-	-	-	-	-	-	-
<b>IP source guard</b>	-	-	-	-	-	-	-	-
<b>QoS support</b>	Yes	Yes	-	-	-	-	-	-
<b>IGMP snooping</b>	Yes	Yes	-	-	-	-	-	-
<b>IPTV feature set (advanced and granular IGMP control)</b>	-	-	-	-	-	-	-	-
<b>Loop detection</b>	Yes	Yes	-	-	-	-	-	-
<b>Enhanced security (BPDU &amp; Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)</b>	-	-	-	-	-	-	-	-
<b>Physical</b>								
<b>Mounting type</b>	Desktop & Wall	Desktop & Wall	Wall	Wall & Rack	Wall & Rack	Rack	Wall & Rack	Wall & Rack
<b>Dimensions (WxDxH)(mm/in.)</b>	121 x 75 x 26/ 4.76 x 2.95 x 1.02	155 x 85 x 26/ 6.1 x 3.35 x 1.02	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	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	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
<b>Fanless</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>MTBF (hrs)</b>	1655 K	1570 K	1000 K	1156 K	366 K	388 K	165 K	322 K
<b>Redundant power support</b>	-	-	-	-	-	-	-	-



Model	1100 Series		1000 Series			Rugged Switch Series	
	ES1100-24E	ES1100-24	XGS1010-12	GS1005HP	GS1008HP	RGS100-5P	RGS200-12P
<b>Switch class</b>	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	L2 Managed
<b>Ports</b>							
<b>Total port count</b>	24	24	12	5	8	5	12
<b>Fast Ethernet (RJ-45)</b>	24	24	-	-	-	-	-
<b>Gigabit Ethernet (RJ-45)</b>	-	-	8	5	8	4	8
<b>Gigabit Combo (RJ-45/SFP)</b>	-	-	-	-	-	-	-
<b>Gigabit SFP</b>	-	-	-	-	-	1	4
<b>10 Gigabit Ethernet (RJ-45)</b>	-	-	-	-	-	-	-
<b>1G/2.5G/5G/10G Ethernet (RJ-45)</b>	-	-	2 (1G/2.5G)	-	-	-	-
<b>10 Gigabit SFP+ Uplinks</b>	-	-	2	-	-	-	-
<b>10 Gigabit Combo (RJ-45/SFP+)</b>	-	-	-	-	-	-	-
<b>Configurable extended range ports</b>	-	-	-	-	-	-	-
<b>PoE</b>							
<b>Total PoE budget (Watts)</b>	-	-	-	60	60	120	240
<b>PoE ports</b>	-	-	-	4	8	4	8
<b>High power PoE 802.3at</b>	-	-	-	Yes	Yes	Yes	Yes
<b>Performance</b>							
<b>Switching capacity (Gbps)</b>	4.8	4.8	66	10	16	10	24
<b>Forwarding rate (Mpps)</b>	3.6	3.6	49	7.44	11.9	7.44	17.86
<b>Packet buffer (byte)</b>	256 K	256 K	1.5 M	128 K	192 K	0.25 M	512 K
<b>MAC address table</b>	8 K	8 K	16 K	2 K	4 K	2 K	8 K
<b>Jumbo frame support</b>	2 K	2 K	12 K	9 K	9 K	9 K	9 K
<b>L3 forwarding table (IPv4/IPv6)</b>	-	-	-	-	-	-	-
<b>Routing table</b>	-	-	-	-	-	-	-
<b>IP interface</b>	-	-	-	-	-	-	-
<b>Stacking</b>							
<b>Virtual (iStacking)</b>	-	-	-	-	-	-	-
<b>Physical</b>	-	-	-	-	-	-	-
<b>Management</b>							
<b>Web GUI</b>	-	-	-	-	-	-	Yes
<b>Full Command Line Interface (CLI)</b>	-	-	-	-	-	-	Yes
<b>SNMP/Syslog</b>	-	-	-	-	-	-	Yes
<b>CNC support</b>	-	-	-	-	-	-	Yes
<b>Zyxel One Network (ZON)</b>	-	-	-	-	-	-	-
<b>Zyxel Nebula (Cloud)</b>	-	-	-	-	-	-	-
<b>sFlow</b>	-	-	-	-	-	-	-
<b>Features</b>							
<b>VLANs (Static/Dynamic)</b>	-	-	-	-	-	-	1 K/-
<b>Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)</b>	-	-	-	-	-	-	-
<b>IP source guard</b>	-	-	-	-	-	-	Yes
<b>QoS support</b>	-	-	Yes	Yes	Yes	-	Yes
<b>IGMP snooping</b>	-	-	-	-	-	-	Yes
<b>IPTV feature set (advanced and granular IGMP control)</b>	-	-	-	-	-	-	Yes
<b>Loop detection</b>	-	-	-	-	-	-	Yes
<b>Enhanced security (BPDU &amp; Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSG v6)</b>	-	-	-	-	-	-	-
<b>Physical</b>							
<b>Mounting type</b>	Wall & Rack	Rack	Desktop	Desktop & Wall	Desktop & Wall	Wall & DIN-rail	Wall & DIN-rail
<b>Dimensions (WxDxH)(mm/in.)</b>	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	250 x 104 x 27/ 9.84 x 4.10 x 1.06	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
<b>Fanless</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>MTBF (hrs)</b>	101 K	296 K	537 K	2139 K	1094 K	568 K	568 K
<b>Redundant power support</b>	-	-	-	-	-	Yes	Yes

# Accessories



## PoE Injector and Extender

Product	PoE12-HP
	
Specifications	<ul style="list-style-type: none"> <li>• Install anywhere taking advantage of PoE technology</li> <li>• Simple installation for IEEE 802.3at compatible wireless LAN APs or IP video cameras</li> <li>• Up to 100m coverage via CAT-5 Ethernet cable</li> </ul>
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"> <li>• Removable AC power module for XGS3700-24, XGS3700-48, XS3700-24</li> <li>• Requires 100 V AC to 240 V AC, 5.0 A power</li> </ul>	<ul style="list-style-type: none"> <li>• Removable AC power module for XGS3700-24HP, XGS3700-48HP</li> <li>• Requires 100 V AC to 240 V AC, 8.0 A power</li> </ul>

## 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	3.14 - 3.46 V	3.14 - 3.46 V
Max. current	150 mA	150 mA

## Transceiver Series

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



Features	<ul style="list-style-type: none"> <li>Industry standards compliant</li> <li>SFP MSA (Multi-Source Agreement) compliant</li> <li>Hot-pluggable with maximum flexibility</li> </ul>	<ul style="list-style-type: none"> <li>Compact size, high port density</li> <li>Low power dissipation</li> <li>Support DDMI (Digital Diagnostics Monitoring Interface) features</li> </ul>
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Specifications				
Connector	Duplex LC	LC	Duplex LC	LC
Wavelength	850 nm	850 nm	1310 nm	1310 nm
Max transmission distance	0.3 km/328 yd	0.3 km/328 yd	10 km/10936 yd	10 km/10936 yd
Support DDMI features	Yes	Yes	Yes	Yes
Optical fiber type	Multi mode	Multi mode	Single mode	Single mode
Pack quantity	Single pack	10-pack	Single pack	10-pack

Transceiver Class	Gigabit SFP				
	SFP-1000T	SFP-SX-D	SFP-SX-E	SFP-LX-10-D	SFP-LX-10-E



Features	<ul style="list-style-type: none"> <li>Industry standards compliant</li> <li>SFP MSA (Multi-Source Agreement) compliant</li> <li>Hot-pluggable with maximum flexibility</li> </ul>	<ul style="list-style-type: none"> <li>Compact size, high port density</li> <li>Low power dissipation</li> </ul>
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Specifications					
Connector	RJ-45	LC	LC	LC	LC
Wavelength	-	850 nm	850 nm	1310 nm	1310 nm
Max transmission distance	0.1 km/109 yd	0.55 km/601 yd	0.55 km/601 yd	10 km/10936 yd	10 km/10936 yd
Support DDMI features	-	Yes	Yes	Yes	Yes
Optical fiber type	Multi mode	Multi mode	Multi mode	Single mode	Single mode
Pack quantity	Single pack	Single pack	10-pack	Single pack	10-pack

Transceiver Class	Gigabit SFP					
	SFP-LHX1310-40-D	SFP-ZX-80-D	SFP-BX1310-10-D*	SFP-BX1310-E*	SFP-BX1490-10-D*	SFP-BX1550-E*



Features	<ul style="list-style-type: none"> <li>Industry standards compliant</li> <li>SFP MSA (Multi-Source Agreement) compliant</li> <li>Hot-pluggable with maximum flexibility</li> </ul>	<ul style="list-style-type: none"> <li>Compact size, high port density</li> <li>Low power dissipation</li> </ul>
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Specifications						
Connector	LC	LC	LC	LC	LC	LC
Wavelength (nm)	1310 nm	1550 nm	1310 nm (TX) 1490 nm (RX)	1310 nm (TX) 1550 nm (RX)	1490 nm (TX) 1310 nm (RX)	1550 nm (TX) 1310 nm (RX)
Max transmission distance	40 km/43744 yd	80 km/87488 yd	10 km/10936 yd	20 km/21872 yd	10 km/10936 yd	20 km/21872 yd
Support DDMI features	Yes	Yes	Yes	Yes	Yes	Yes
Optical fiber type	Single mode	Single mode	Single mode	Single mode	Single mode	Single mode
Pack quantity	Single pack	Single pack	Single pack	10-pack	Single pack	10-pack

\*: SFP-BX1310-10-D & SFP-BX1490-10-D, SFP-BX1310-E & SFP-BX1550-E must be used in pairs.

# ZYXEL

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