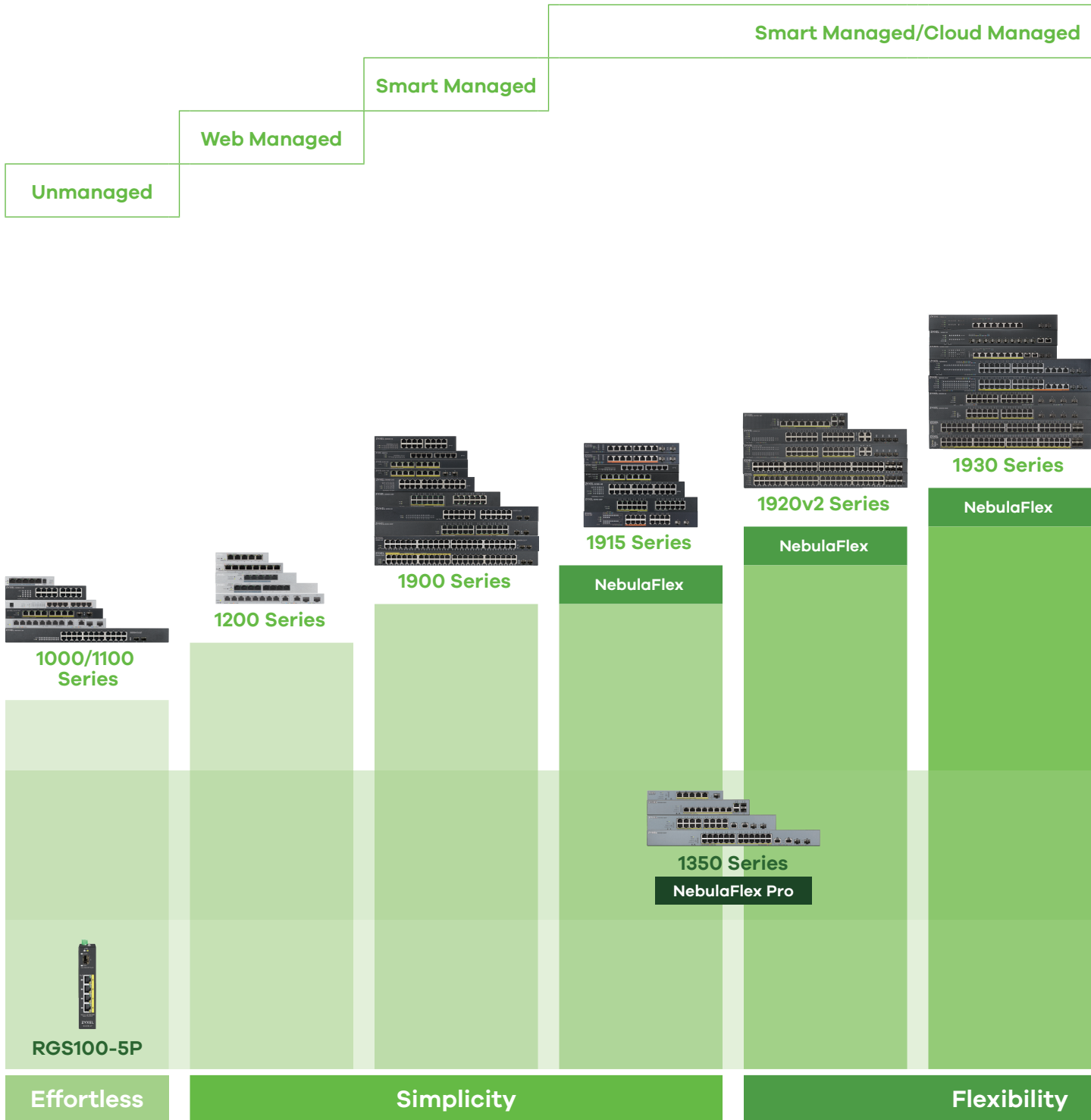




# Switch

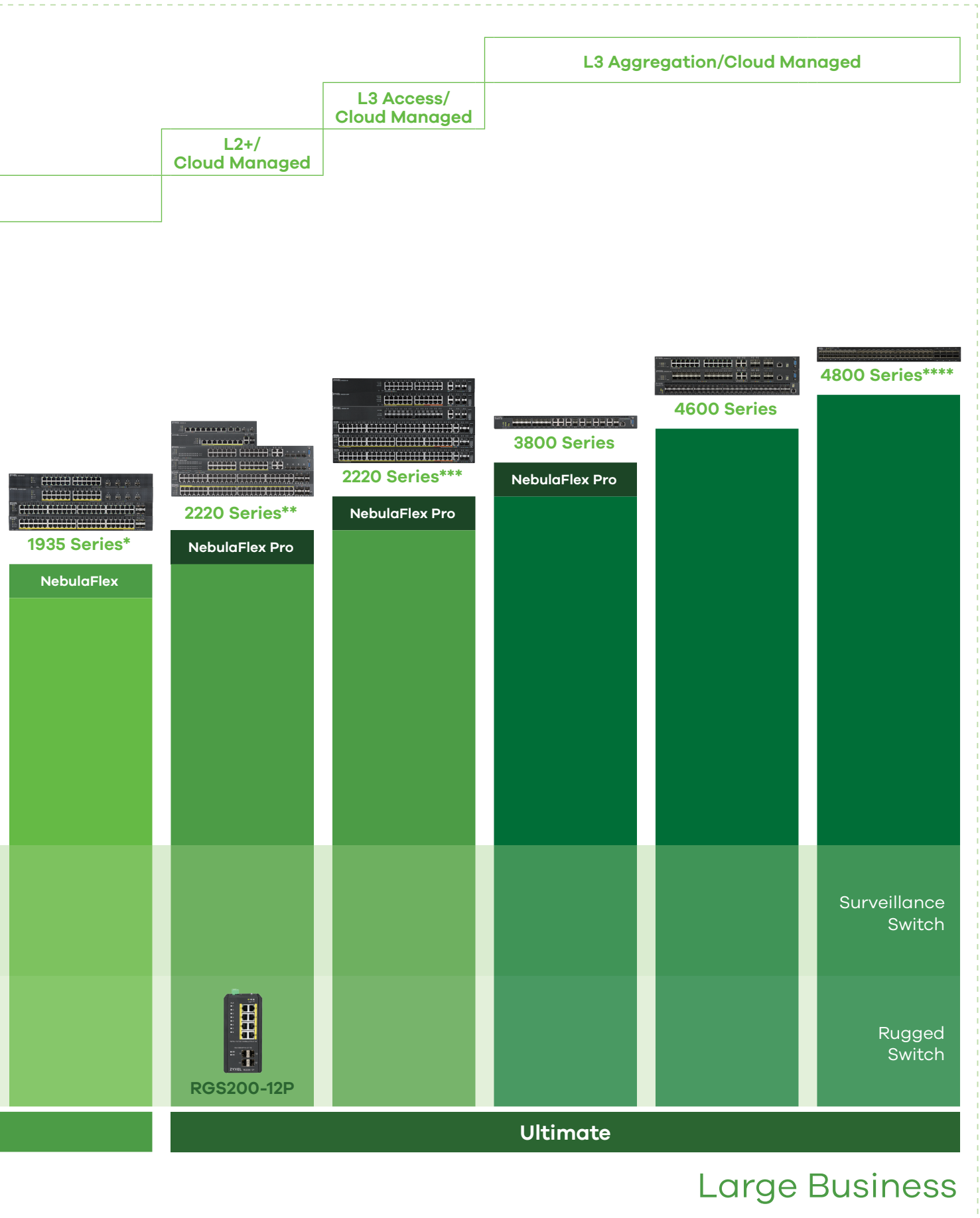
# Switching Portfolio Lineup

## Commercial Switch



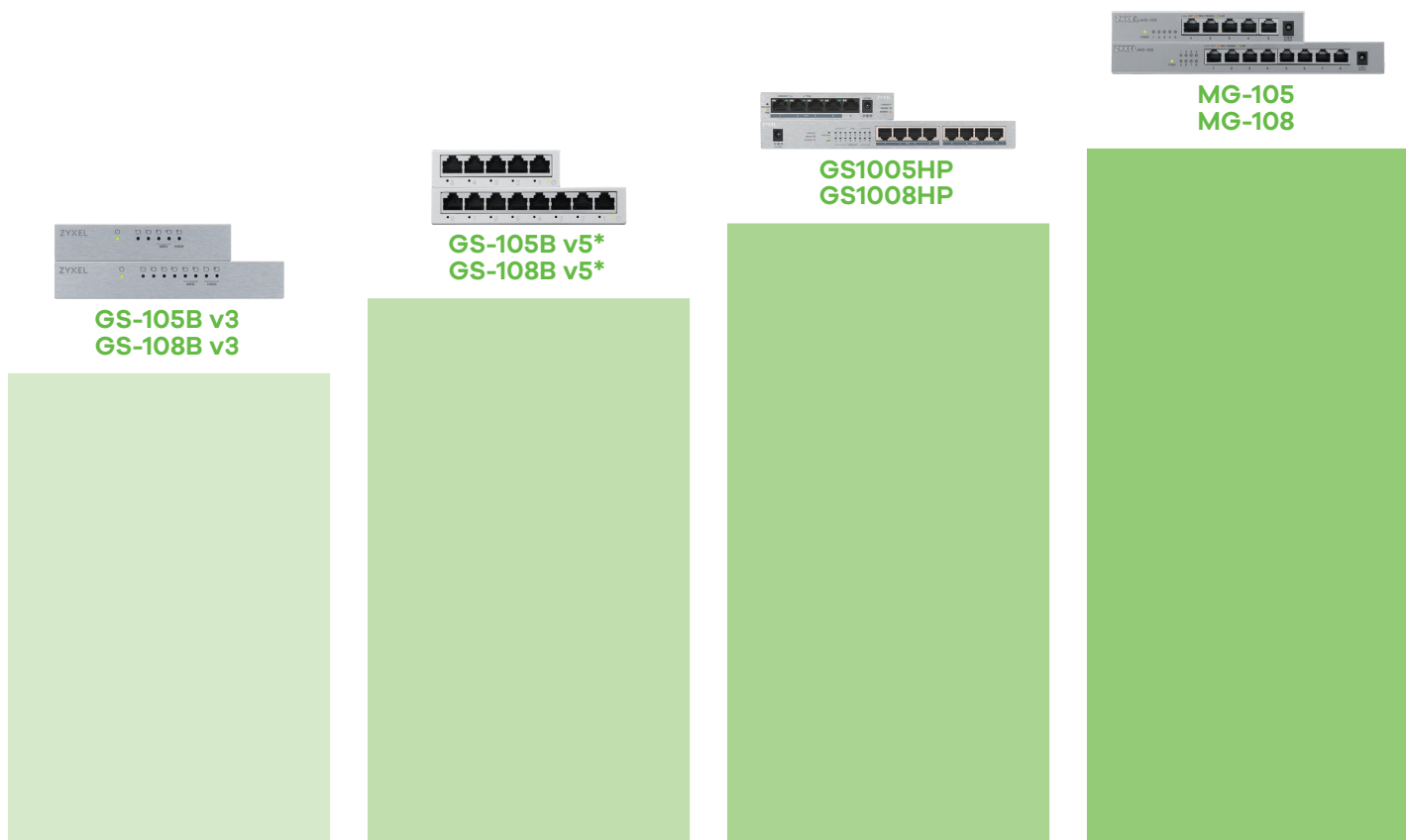
## Small Business

\* Available in Q4 2024  
 \*\* With Gigabit uplinks  
 \*\*\* With 10G uplinks  
 \*\*\*\* Available in Q1 2025



# Home/SOHO/Prosumer Switch

Desktop Unmanaged GbE



Home

\* Available in Q4 2024

Desktop Unmanaged Multi-Gig

Web Managed GbE

Web Managed Multi-Gig



XMG-105/XMG-105HP  
XMG-108/XMG-108HP



XGS1010-12





GS1200-5/5HP v2  
GS1200-8/8HP v2



XGS1210-12  
XGS1250-12

SOHO/Prosumer

# Switch Quick Finder

Switch Class	Series	Performance	Model	
L3 Aggregation/ NebulaFlex Pro	4800* Series	10/25 Gigabit Ethernet with 100G Uplink	CX4800-56F	
L3 Aggregation	4600 Series	Gigabit Ethernet with 10G Uplink	XGS4600-32	
			XGS4600-32F	
			XGS4600-52F	
L3 Aggregation/ NebulaFlex Pro	3800 Series	10 Gigabit Ethernet	XS3800-28	
L3 Access/ NebulaFlex Pro	2220 Series	Gigabit Ethernet with 10G Uplink	XGS2220-30	
			XGS2220-30HP	
			XGS2220-30F	
			XGS2220-54	
			XGS2220-54HP	
			XGS2220-54FP	




















\* Available in Q1 2025

# Key Features

Model	Ports	Key Features
CX4800-56F*	48 x 10GbE/25GbE SFP28 ports 8 x 100G QSFP 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>• Meets the requirements of high performance and low latency operation</li> <li>• Offers hot swappable dual power modules and four fan trays</li> <li>• Physical stacking of up to 2 units (will support this feature after FCS through future firmware upgrade)</li> <li>• Tailor-made Networked AV mode brings efficiency to professional AVoIP networking setups and monitoring services</li> </ul>
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> </ul>
XGS4600-32F	24-port SFP slots 4 x GbE combo ports 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• Multiple aggregation service options with 24-port copper/fiber and 48-port fiber selections</li> <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> <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>
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 10G Multi-Gigabit 16 x 10G SFP+ slots 8 x 10G 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>• Support physical stacking up to 4 units on both Nebula Cloud and Standalone modes</li> <li>• High resiliency with redundant power supply units</li> <li>• Restore to last custom default button eases the process of troubleshooting</li> </ul>
XGS2220-30	24-port 1000BASE-T 2-port 10G Multi-Gigabit 4 x 10G SFP+ slots	<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>
XGS2220-30HP	24-port 1000BASE-T PoE 2-port 10G Multi-Gigabit PoE 4 x 10G SFP+ slots PoE power budget: 400 W	<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>• Tailor-made Networked AV mode brings efficiency to professional AVoIP networking setups and monitoring services</li> </ul>
XGS2220-30F	24-port SFP slots 2-port 10G Multi-Gigabit 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• Physical stacking up to 4 units</li> <li>• Up to six 10G uplinks including both copper and fiber options provide extensibility and resilience for networks</li> </ul>
XGS2220-54	48-port 1000BASE-T 2-port 10G Multi-Gigabit 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>• PoE models support 16/40-port PoE+ and 10-port PoE++ (60 W) with a high-power budget of up to 400 W/600 W/960 W are ideal for high density AVoIP, WiFi 6/6E and PTZ camera applications</li> <li>• Extensive Layer 2 features with advanced L3 access routing capability</li> </ul>
XGS2220-54HP	48-port 1000BASE-T PoE 2-port 10G Multi-Gigabit PoE 4 x 10G SFP+ slots PoE power budget: 600 W	
XGS2220-54FP	48-port 1000BASE-T PoE 2-port 10G Multi-Gigabit PoE 4 x 10G SFP+ slots PoE power budget: 960 W	

\* Available in Q1 2025

# Switch Quick Finder

Switch Class	Series	Performance	Model	
<b>L2+/ NebulaFlex Pro</b>	2220 Series	Gigabit Ethernet	GS2220-10	
			GS2220-10HP	
			GS2220-28	
			GS2220-28HP	
			GS2220-50	
			GS2220-50HP	
<b>Smart Managed/ NebulaFlex</b>	1935 Series	Gigabit Ethernet with 10G Uplink	XGS1935-28*	
			XGS1935-28HP*	
			XGS1935-52*	
			XGS1935-52HP*	
	1930 Series	10G Multi-Gigabit Ethernet	XS1930-10	
			XS1930-12HP	
			XS1930-12F	
		2.5G Multi-Gigabit Ethernet with 10G Uplink	XMG1930-30	
			XMG1930-30HP	
		Gigabit Ethernet with 10G Uplink	XGS1930-28	
			XGS1930-28HP	
			XGS1930-52	
XGS1930-52HP				

\* Available in Q4 2024

























# 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 PoE power budget: 180 W	<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 PoE power budget: 375 W	<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 PoE power budget: 375 W	
XGS1935-28*	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>
XGS1935-28HP*	24-port 1000BASE-T PoE 4 x 10G SFP+ slots PoE power budget: 375 W	<ul style="list-style-type: none"> <li>Handles the increasing high-bandwidth applications in your office affordably with four built-in 10G SFP+ uplinks</li> <li>Easy management and setup with web-based interface and intuitive wizard</li> </ul>
XGS1935-52*	48-port 1000BASE-T 4 x 10G SFP+ slots	<ul style="list-style-type: none"> <li>Supports rich L2 feature set with L3 static route for more efficient use of network resources</li> </ul>
XGS1935-52HP*	48-port 1000BASE-T PoE 4 x 10G SFP+ slots PoE power budget: 375 W	<ul style="list-style-type: none"> <li>Built-in smart cooling technology allows the switch to achieve an ultra-quiet operation</li> </ul>
XS1930-10	8-port 10G 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 10G Multi-Gigabit PoE 2-port 10G Multi-Gigabit 2 x 10G SFP+ slots PoE power budget: 375 W	<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> </ul>
XS1930-12F	10 x 10G SFP+ slots 2-port 10G Multi-Gigabit	<ul style="list-style-type: none"> <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>
XMG1930-30	24-port 2.5G Multi-Gigabit 4-port 10G 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>
XMG1930-30HP	24-port 2.5G Multi-Gigabit PoE 4-port 10G Multi-Gigabit PoE 2 x 10G SFP+ slots PoE power budget: 700 W	<ul style="list-style-type: none"> <li>Multi-Gigabit supports with 2.5G and 10G combinations offering flexibility for high density Multi-Gig deployments</li> <li>Up to six 10G uplinks including both copper and fiber options providing extensibility and resilience for networks</li> <li>PoE model supports 8-port PoE++ (60 W) and 20-port PoE+ with a high-power budget of up to 700 W to easily connect WiFi 6/6E APs or IoT devices</li> <li>Rich L2 feature set with L3 static route makes it a perfect candidate to upgrade to Multi-Gigabit Networks</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 PoE power budget: 375 W	<ul style="list-style-type: none"> <li>Handles the increasing high-bandwidth applications in your office affordably with four built-in 10G SFP+ uplinks</li> <li>Easy management and setup with web-based interface and intuitive wizard</li> </ul>
XGS1930-52	48-port 1000BASE-T 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> </ul>
XGS1930-52HP	48-port 1000BASE-T PoE 4 x 10G SFP+ slots PoE power budget: 375 W	<ul style="list-style-type: none"> <li>Smart fan design offers silent operations in both desktop or rack-mount environment</li> <li>Supports rich L2 feature set with L3 static route for more efficient use of network resources</li> </ul>

\* Available in Q4 2024


















# Switch Quick Finder

Switch Class	Series	Performance	Model	
<b>Smart Managed/ NebulaFlex</b>	1920v2 Series	Gigabit Ethernet	GS1920-8HPv2	
			GS1920-24v2	
			GS1920-24HPv2	
			GS1920-48v2	
			GS1920-48HPv2	
	1915 Series	2.5G Multi-Gigabit Ethernet with 10G Uplink	XMG1915-10E	
			XMG1915-10EP	
			XMG1915-18EP	
	Gigabit Ethernet		GS1915-8	
			GS1915-8EP	
GS1915-24E				
GS1915-24EP				
<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	

# Key Features

Model	Ports	Key Features
GS1920-8HPv2	8-port 1000BASE-T PoE 2 x GbE combo ports PoE power budget: 130 W	<ul style="list-style-type: none"> <li>• NebulaFlex gives you the flexibility to switch between standalone and our license-free Nebula cloud management</li> <li>• Using user-friendly web-based GUI to manage and set up the switch without learning complex CLI</li> <li>• Smart fan design offers silent operations in both desktop or rack-mount environment</li> <li>• One-touch restore to last custom default button</li> <li>• Comes with rich L2 features such as LACP, advanced QoS, VLAN, ACL and multicast IGMP snooping</li> </ul>
GS1920-24v2	24-port 1000 BASE-T 4 x GbE combo ports	
GS1920-24HPv2	24-port 1000BASE-T PoE 4 x GbE combo ports PoE power budget: 375 W	
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 PoE power budget: 375 W	
XMG1915-10E	8-port 2.5G 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> <li>• All ports support 2.5G Multi-Gigabit</li> <li>• Additional two 10G fiber uplinks providing extensibility for networks</li> <li>• PoE models support 8-port PoE++ (60 W with high power budget of up to 130 W (10EP) and 180 W (18EP) to easily connect WiFi 6/6E APs or IoT devices</li> <li>• Rich L2 feature set with L3 static route</li> </ul>
XMG1915-10EP	8-port 2.5G Multi-Gigabit PoE 2 x 10G SFP+ slots PoE power budget: 130 W	
XMG1915-18EP	8-port 2.5G Multi-Gigabit PoE 8-port 2.5G Multi-Gigabit 2 x 10G SFP+ slots PoE power budget: 180 W	
GS1915-8	8-port 1000BASE-T	<ul style="list-style-type: none"> <li>• NebulaFlex gives you the flexibility to switch between standalone and our license-free Nebula cloud management</li> <li>• Nebula cloud management allows easy deployment, real-time configurations and effortless access to all your cloud devices anywhere, anytime</li> <li>• Facilitate wide variety of network setups with all PoE ports supporting IEEE 802.3at PoE+</li> <li>• Compact and near-silent design is ideal for any working environment</li> <li>• Supports basic L2 switching features</li> </ul>
GS1915-8EP	8-port 1000BASE-T PoE PoE power budget: 60 W	
GS1915-24E	24-port 1000BASE-T	
GS1915-24EP	12-port 1000BASE-T 12-port 1000BASE-T PoE PoE power budget: 130 W	
GS1900-8	8-port 1000BASE-T	
GS1900-8HP	8-port 1000BASE-T PoE PoE power budget: 77 W	<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> <li>• Supports basic L2 switching features</li> </ul>
GS1900-10HP	8-port 1000BASE-T PoE 2 x GbE SFP slots PoE power budget: 77 W	
GS1900-16	16-port 1000BASE-T	
GS1900-24E	24-port 1000BASE-T	
GS1900-24EP	12-port 1000BASE-T 12-port 1000BASE-T PoE PoE power budget: 130 W	
GS1900-24	24-port 1000BASE-T 2 x GbE SFP slots	
GS1900-24HPv2	24-port 1000BASE-T PoE 2 x GbE SFP slots PoE power budget: 170 W	
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 PoE power budget: 170 W	













# Switch Quick Finder

Switch Class	Series	Performance	Model			
<b>Surveillance Managed/ NebulaFlex Pro</b>	1350 Series	Gigabit Ethernet	GS1350-6HP			
			GS1350-12HP			
			GS1350-18HP			
			GS1350-26HP			
<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			
			1100 Series	Gigabit Ethernet	GS1100-10HP	
					GS1100-16	
	1100 Series	Gigabit Ethernet	GS1100-24E			
			GS1100-24			
1000 Series			Multi-Gigabit Ethernet	XGS1010-12		
				Gigabit Ethernet	GS1005HP	
			GS1008HP			

# Key Features

Model	Ports	Key Features
GS1350-6HP	5-port 1000BASE-T PoE 1 x GbE SFP slot PoE power budget: 60 W	<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 PoE power budget: 130 W	
GS1350-18HP	16-port 1000BASE-T PoE 2 x GbE combo ports PoE power budget: 250 W	
GS1350-26HP	24-port 1000BASE-T PoE 2 x GbE combo ports PoE power budget: 375 W	
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> <li>• VLAN segregation for enhanced network security</li> <li>• Enhanced port-based QoS for better traffic control</li> <li>• Link Aggregation increase throughput</li> <li>• Smart PoE+ 802.3af/802.3at support (GS1200-5HP v2/GS1200-8HP v2)</li> <li>• Fanless, noiseless design</li> </ul>
GS1200-5HP v2	1-port 1000BASE-T 4-port 1000BASE-T PoE PoE power budget: 60 W	
GS1200-8	8-port 1000BASE-T	
GS1200-8HP v2	4-port 1000BASE-T 4-port 1000BASE-T PoE PoE power budget: 60 W	
GS1100-10HP	8-port 1000BASE-T PoE 2 x GbE SFP slots PoE power budget: 130 W	<ul style="list-style-type: none"> <li>• Plug and play Gigabit wire-speed</li> <li>• Efficient Energy saving with green Ethernet features</li> <li>• Fanless design for whisper quiet operation</li> <li>• Easily to check status with intuitive port LED</li> <li>• GS1100-10HP supports PoE+</li> <li>• Flexible choices from 8-port to 24-port</li> </ul>
GS1100-16	16-port 1000BASE-T	
GS1100-24E	24-port 1000BASE-T	
GS1100-24	24-port 1000BASE-T 2 x GbE SFP slots	
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 PoE power budget: 60 W	<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> <li>• Blazing-fast Gigabit connection</li> <li>• Advanced energy-savings at work</li> <li>• Fanless, noiseless design</li> </ul>
GS1008HP	8-port 1000BASE-T PoE PoE power budget: 60 W	

# Switch Quick Finder

Switch Class	Series	Performance	Model	
<b>Rugged Managed</b>	200 Series	Gigabit Ethernet	RGS200-12P	
<b>Rugged Unmanaged</b>	100 Series	Gigabit Ethernet	RGS100-5P	
<b>Home Desktop</b>	XMG-100 Series	2.5G Multi-Gigabit Ethernet with 10G Uplink	XMG-105	
			XMG-105HP	
			XMG-108	
			XMG-108HP	
	MG-100 Series	2.5 Multi-Gigabit Ethernet	MG-105	
			MG-108	
	GS-100 Series	Gigabit Ethernet	GS-105B v5*	
			GS-108B v5*	
GS-105B v3				
GS-108B v3				

\* Available in Q4 2024

# Key Features

Model	Ports	Key Features
RGS200-12P	8-port 1000BASE-T 4 x GbE SFP slot PoE power budget: 240 W	<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 PoE power budget: 120 W	<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>
XMG-105	5-port 2.5G Multi-Gigabit 1 x 10G SFP+ slot	<ul style="list-style-type: none"> <li>• Support 2.5GbE on all ports, with one 10G fiber uplink</li> <li>• Support PoE++ (60 W) with high power budget of up to 70 W and 100 W to easily connect WiFi 6/6E APs or IoT devices</li> <li>• Increase home networking speed up to 2.5 times without extra cabling cost</li> </ul>
XMG-105HP	4-port 2.5G Multi-Gigabit PoE 1-port 2.5G Multi-Gigabit 1 x 10G SFP+ slot PoE power budget: 70 W	<ul style="list-style-type: none"> <li>• Access Internet just plug-and-play</li> <li>• Silent and stable operation</li> </ul>
XMG-108	8-port 2.5G Multi-Gigabit 1 x 10G SFP+ slot	
XMG-108HP	8-port 2.5G Multi-Gigabit PoE 1 x 10G SFP+ slot PoE power budget: 100 W	
MG-105	5-port 2.5G Multi-Gigabit	<ul style="list-style-type: none"> <li>• Support 2.5GbE on all ports</li> <li>• Instantly upgrade speed up to 2.5 times</li> <li>• Increase home networking speed without extra cabling cost</li> </ul>
MG-108	8-port 2.5G Multi-Gigabit	<ul style="list-style-type: none"> <li>• Access Internet just plug-and-play</li> <li>• Silent and stable operation</li> </ul>
GS-105B v5*	5-port 1000BASE-T	<ul style="list-style-type: none"> <li>• Surfing the network just plug and play</li> <li>• QoS ports optimize performance of network applications</li> <li>• Mini size fits desktop and wall-mounting installations</li> </ul>
GS-108B v5*	8-port 1000BASE-T	<ul style="list-style-type: none"> <li>• Durable metal housing design</li> <li>• Silent, and green switch for energy efficiency</li> </ul>
GS-105B v3	5-port 1000BASE-T	<ul style="list-style-type: none"> <li>• Compact and sturdy design</li> <li>• QoS ports for optimized, smooth VoIP and data transfer</li> <li>• Bi-color LED indicators for Ethernet port status</li> </ul>
GS-108B v3	8-port 1000BASE-T	<ul style="list-style-type: none"> <li>• Green switch for energy saving</li> </ul>

\* Available in Q4 2024

# Commercial Switches Feature Matrix

Model	4800 Series		4600 Series		3800 Series		2220 Series	
	CX4800-56F*	XGS4600-32	XGS4600-32F	XGS4600-52F	XS3800-28	XGS2220-30F	XGS2220-30	XGS2220-30HP
<b>Switch class</b>	L3 Aggregation/ NebulaFlex Pro	L3 Aggregation	L3 Aggregation	L3 Aggregation	L3 Aggregation/ NebulaFlex Pro	L3 Access/ NebulaFlex Pro	L3 Access/ NebulaFlex Pro	L3 Access/ NebulaFlex Pro
<b>Ports</b>								
<b>Total port count</b>	56	32	32	52	28	30	30	30
<b>Gigabit Ethernet (RJ-45)</b>	-	24	-	-	-	-	24	24
<b>Gigabit Combo (RJ-45/SFP)</b>	-	4	4	-	-	-	-	-
<b>Gigabit SFP</b>	-	-	24	48	-	24	-	-
<b>1G/2.5G/5G/10G Ethernet (RJ-45)</b>	-	-	-	-	4	2	2	2
<b>10G/25G SFP28</b>	48	-	-	-	-	-	-	-
<b>10 Gigabit SFP+</b>	-	4	4	4	16	4	4	4
<b>10 Gigabit Combo (RJ-45/SFP+)</b>	-	-	-	-	8	-	-	-
<b>100G QSFP28</b>	8	-	-	-	-	-	-	-
<b>Configurable extended range ports</b>	-	-	-	-	-	-	-	-
<b>PoE</b>								
<b>Total PoE budget (Watts)</b>	-	-	-	-	-	-	-	400
<b>802.3at PoE+</b>	-	-	-	-	-	-	-	16
<b>802.3bt PoE++ (60 W)</b>	-	-	-	-	-	-	-	10
<b>Performance</b>								
<b>Switching capacity (Gbps)</b>	4,000	136	136	176	560	168	168	168
<b>Forwarding rate (Mpps)</b>	2,976	101.1	101.1	130.9	416	125	125	125
<b>Packet buffer (byte)</b>	32 MB	4 M	4 M	4 M	4 M	2 MB	2 MB	2 MB
<b>MAC address table</b>	32 K	32 K	32 K	32 K	32 K	32 K	32 K	32 K
<b>Jumbo frame (byte)</b>	9 K	12 K	12 K	12 K	12 K: 10 Gbps 9 K: 2.5 Gbps	9 KB	9 KB	9 KB
<b>L3 forwarding table (IPv4/IPv6)</b>	8 K/4 K	8 K/4 K	8 K/4 K	8 K/4 K	4 K/2 K	1 K/512	1 K/512	1 K/512
<b>Routing table</b>	12 K	12 K	12 K	12 K	1 K	64	64	64
<b>IP interface</b>	256	256	256	256	128	32	32	32
<b>Stacking</b>								
<b>Virtual (iStacking)</b>	Yes	24	24	24	24	24	24	24
<b>Physical</b>	2**	4	4	4	4***	4***	4***	4***
<b>Management</b>								
<b>Web GUI</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Full Command Line Interface (CLI)</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>SNMP/Syslog</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>CNC support</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Zyxel One Network (ZON)</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Zyxel Nebula (Cloud)</b>	Yes	-	-	-	Yes	Yes	Yes	Yes
<b>sFlow</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Features</b>								
<b>VLANs (Static/Dynamic)</b>	4 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	1 K/4 K
<b>Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>IP source guard</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>QoS support</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>IGMP snooping</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>IPTV feature set (advanced and granular IGMP control)</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Loop detection</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Enhanced security (BPDU &amp; Root Guard, MAC-Auth, Anti-ARP, DHCP v4v6 server control, IPSPG v6)</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Physical</b>								
<b>Mounting type</b>	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack
<b>Dimensions (WxDxH)(mm/in.)</b>	440 x 489 x 45/ 17.32 x 19.25 x 1.77	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	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 330 x 44/ 17.36 x 12.99 x 1.73
<b>Fanless</b>	-	-	-	-	-	-	-	-
<b>MTBF (hrs)</b>	590 K	860 K	794 K	815 K	656 K	353 K	520 K	268 K
<b>Redundant power support</b>	Yes	Yes	Yes	Yes	Yes	-	-	-

\* Available in Q1 2025

\*\* CX4800-56F will support physical stacking after FCS through future firmware upgrade

\*\*\* Supports on both Nebula Cloud and Standalone modes



Model	2220 Series						
	XGS2220-54	XGS2220-54HP	XGS2220-54FP	GS2220-10	GS2220-10HP	GS2220-28	GS2220-28HP
<b>Switch class</b>	L3 Access/ NebulaFlex Pro	L3 Access/ NebulaFlex Pro	L3 Access/ NebulaFlex Pro	L2+/ NebulaFlex Pro	L2+/ NebulaFlex Pro	L2+/ NebulaFlex Pro	L2+/ NebulaFlex Pro
<b>Ports</b>							
<b>Total port count</b>	54	54	54	10	10	28	28
<b>Gigabit Ethernet (RJ-45)</b>	48	48	48	8	8	24	24
<b>Gigabit Combo (RJ-45/SFP)</b>	-	-	-	2	2	4	4
<b>Gigabit SFP</b>	-	-	-	-	-	-	-
<b>1G/2.5G/5G/10G Ethernet (RJ-45)</b>	2	2	2	-	-	-	-
<b>10 Gigabit SFP+</b>	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>	-	600	960	-	180	-	375
<b>802.3at PoE+</b>	-	40	40	-	8	-	24
<b>802.3bt PoE++ (60 W)</b>	-	10	10	-	-	-	-
<b>Performance</b>							
<b>Switching capacity (Gbps)</b>	216	216	216	20	20	56	56
<b>Forwarding rate (Mpps)</b>	161	161	161	15	15	42	42
<b>Packet buffer (byte)</b>	2 MB	2 MB	2 MB	1.5 M	1.5 M	1.5 M	1.5 M
<b>MAC address table</b>	32 K	32 K	32 K	16 K	16 K	16 K	16 K
<b>Jumbo frame (byte)</b>	9 KB	9 KB	9 KB	9 K	9 K	9 K	9 K
<b>L3 forwarding table (IPv4/IPv6)</b>	1 K/512	1 K/512	1 K/512	-	-	-	-
<b>Routing table</b>	64	64	64	-	-	-	-
<b>IP interface</b>	32	32	32	-	-	-	-
<b>Stacking</b>							
<b>Virtual (iStacking)</b>	24	24	24	24	24	24	24
<b>Physical</b>	4*	4*	4*	-	-	-	-
<b>Management</b>							
<b>Web GUI</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Full Command Line Interface (CLI)</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<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>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>sFlow</b>	Yes	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	1 K/4 K
<b>Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>IP source guard</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<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>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<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>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Physical</b>							
<b>Mounting type</b>	Rack	Rack	Rack	Wall & 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 330 x 44/ 17.36 x 12.99 x 1.73	441 x 330 x 44/ 17.36 x 12.99 x 1.73	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
<b>Fanless</b>	-	-	-	Yes	-	Yes	-
<b>MTBF (hrs)</b>	299 K	214 K	227 K	1213 K	587 K	989 K	693 K
<b>Redundant power support</b>	-	-	-	-	-	-	-

\* Supports on both Nebula Cloud and Standalone modes

Model	2220 Series		1935 Series				1930 Series	
	GS2220-50	GS2220-50HP	XGS1935-28*	XGS1935-28HP*	XGS1935-52*	XGS1935-52HP*	XS1930-10	XS1930-12HP
<b>Switch class</b>	L2+/ NebulaFlex Pro	L2+/ NebulaFlex Pro	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex
<b>Ports</b>								
<b>Total port count</b>	50	50	28	28	52	52	-	-
<b>Gigabit Ethernet (RJ-45)</b>	44	44	24	24	48	48	-	-
<b>Gigabit Combo (RJ-45/SFP)</b>	4	4	-	-	-	-	-	-
<b>Gigabit SFP</b>	2	2	-	-	-	-	-	-
<b>1G/2.5G/5G/10G Ethernet (RJ-45)</b>	-	-	-	-	-	-	8	10
<b>10 Gigabit SFP+</b>	-	-	4	4	4	4	2	2
<b>10 Gigabit Combo (RJ-45/SFP+)</b>	-	-	-	-	-	-	-	-
<b>Configurable extended range ports</b>	-	-	-	-	-	-	-	-
<b>PoE</b>								
<b>Total PoE budget (Watts)</b>	-	375	-	375	-	375	-	375
<b>802.3at PoE+</b>	-	48	-	24	-	48	-	-
<b>802.3bt PoE++ (60 W)</b>	-	-	-	-	-	-	-	8
<b>Performance</b>								
<b>Switching capacity (Gbps)</b>	100	100	128	128	176	176	200	240
<b>Forwarding rate (Mpps)</b>	74	74	95.2	95.2	130.9	130.9	148.8	178.5
<b>Packet buffer (byte)</b>	1.5 M	1.5 M	1.5 M	1.5 M	1.5 M	1.5 M	2 M	2 M
<b>MAC address table</b>	16 K	16 K	16 K	16 K	16 K	16 K	16 K	16 K
<b>Jumbo frame (byte)</b>	9 K	9 K	9 K	9 K	9 K	9 K	12 K	12 K
<b>L3 forwarding table (IPv4/IPv6)</b>	-	-	512/512	512/512	512/512	512/512	512/512	512/512
<b>Routing table</b>	-	-	32	32	32	32	32	32
<b>IP interface</b>	-	-	32	32	32	32	32	32
<b>Stacking</b>								
<b>Virtual (iStacking)</b>	24	24	-	-	-	-	-	-
<b>Physical</b>	-	-	-	-	-	-	-	-
<b>Management</b>								
<b>Web GUI</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Full Command Line Interface (CLI)</b>	Yes	Yes	-	-	-	-	-	-
<b>SNMP/Syslog</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>CNC support</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Zyxel One Network (ZON)</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Zyxel Nebula (Cloud)</b>	Yes	Yes	Yes	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	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	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN
<b>IP source guard</b>	Yes	Yes	-	-	-	-	-	-
<b>QoS support</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>IGMP snooping</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>IPTV feature set (advanced and granular IGMP control)</b>	Yes	Yes	-	-	-	-	-	-
<b>Loop detection</b>	Yes	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>	Yes	Yes	-	-	-	-	-	-
<b>Physical</b>								
<b>Mounting type</b>	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack
<b>Dimensions (WxDxH)(mm/in.)</b>	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 270 x 43/ 17.32 x 10.63 x 1.69	440 x 270 x 43/ 17.32 x 10.63 x 1.69	440 x 270 x 43/ 17.32 x 10.63 x 1.69	440 x 270 x 43/ 17.32 x 10.63 x 1.69	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
<b>Fanless</b>	-	-	Yes	-	-	-	-	-
<b>MTBF (hrs)</b>	660 K	466 K	518 K	786 K	919 K	562 K	778 K	582 K
<b>Redundant power support</b>	-	-	-	-	-	-	-	-

\* Available in Q4 2024

Model	1930 Series						
	XS1930-12F	XMG1930-30	XMG1930-30HP	XGS1930-28	XGS1930-28HP	XGS1930-52	XGS1930-52HP
<b>Switch class</b>	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex
<b>Ports</b>							
<b>Total port count</b>	12	30	30	28	28	52	52
<b>Gigabit Ethernet (RJ-45)</b>	-	-	-	24	24	48	48
<b>Gigabit Combo (RJ-45/SFP)</b>	-	-	-	-	-	-	-
<b>Gigabit SFP</b>	-	-	-	-	-	-	-
<b>1G/2.5G Ethernet (RJ-45)</b>	-	24	24	-	-	-	-
<b>1G/2.5G/5G/10G Ethernet (RJ-45)</b>	2	4	4	-	-	-	-
<b>10 Gigabit SFP+</b>	10	2	2	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>	-	-	700	-	375	-	375
<b>802.3at PoE+</b>	-	-	20	-	24	-	48
<b>802.3bt PoE++ (60 W)</b>	-	-	8	-	-	-	-
<b>Performance</b>							
<b>Switching capacity (Gbps)</b>	240	240	240	128	128	176	176
<b>Forwarding rate (Mpps)</b>	178.5	178.5	178.5	95.2	95.2	130.9	130.9
<b>Packet buffer (byte)</b>	2 MB	2 MB	2 MB	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	16 K
<b>Jumbo frame (byte)</b>	12 KB	12 KB	12 KB	9 K	9 K	9 K	9 K
<b>L3 forwarding table (IPv4/IPv6)</b>	512/512	512/512	512/512	512/512	512/512	512/512	512/512
<b>Routing table</b>	32	32	32	32	32	32	32
<b>IP interface</b>	32	32	32	32	32	32	32
<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>	Yes	Yes	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	1 K/4 K	1 K/4 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, IPSPG v6)</b>	-	-	-	-	-	-	-
<b>Physical</b>							
<b>Mounting type</b>	Rack	Rack	Rack	Rack	Rack	Rack	Rack
<b>Dimensions (WxDxH)(mm/in.)</b>	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	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
<b>Fanless</b>	-	-	-	Yes	-	-	-
<b>MTBF (hrs)</b>	1254 K	532 K	588 K	1211 K	1369 K	827 K	494 K
<b>Redundant power support</b>	-	-	-	-	-	-	-

Model	1920v2 Series					1915 Series		
	GS1920-8HPv2	GS1920-24v2	GS1920-24HPv2	GS1920-48v2	GS1920-48HPv2	XMG1915-10E	XMG1915-10EP	XMG1915-18EP
<b>Switch class</b>	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex
<b>Ports</b>								
<b>Total port count</b>	10	28	28	50	50	10	10	18
<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>1G/2.5G Ethernet (RJ-45)</b>	-	-	-	-	-	8	8	16
<b>1G/2.5G/5G/10G Ethernet (RJ-45)</b>	-	-	-	-	-	-	-	-
<b>10 Gigabit SFP+</b>	-	-	-	-	-	2	2	2
<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	-	130	180
<b>802.3at PoE+</b>	8	-	24	-	48	-	-	-
<b>802.3bt PoE++ (60 W)</b>	-	-	-	-	-	-	8	8
<b>Performance</b>								
<b>Switching capacity (Gbps)</b>	20	56	56	100	100	80	80	120
<b>Forwarding rate (Mpps)</b>	15	42	42	74	74	59.5	59.5	89.2
<b>Packet buffer (byte)</b>	1.5 M	1.5 M	1.5 M	1.5 M	1.5 M	1.5 MB	1.5 MB	1.5 MB
<b>MAC address table</b>	16 K	16 K	16 K	16 K	16 K	16 K	16 K	16 K
<b>Jumbo frame (byte)</b>	9 K	9 K	9 K	9 K	9 K	12 K	12 K	12 K
<b>L3 forwarding table (IPv4/IPv6)</b>	-	-	-	-	-	128/128	128/128	128/128
<b>Routing table</b>	-	-	-	-	-	8	8	8
<b>IP interface</b>	-	-	-	-	-	8	8	8
<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	Yes	Yes	Yes
<b>Full Command Line Interface (CLI)</b>	-	-	-	-	-	-	-	-
<b>SNMP/Syslog</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>CNC support</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Zyxel One Network (ZON)</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Zyxel Nebula (Cloud)</b>	Yes	Yes	Yes	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	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	MAC-based VLAN	MAC-based VLAN	MAC-based VLAN
<b>IP source guard</b>	Yes	Yes	Yes	Yes	Yes	-	-	-
<b>QoS support</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>IGMP snooping</b>	Yes	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	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	Wall & Desk	Wall & 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	250 x 104 x 27/ 9.84 x 4.09 x 1.06	250 x 104 x 27/ 9.84 x 4.09 x 1.06	330 x 230 x 44/ 12.99 x 9.06 x 1.73
<b>Fanless</b>	Yes	Yes	-	-	-	Yes	Yes	-
<b>MTBF (hrs)</b>	513 K	911 K	638 K	672 K	502 K	646 K	394 K	954 K
<b>Redundant power support</b>	-	-	-	-	-	-	-	-

Model	1915 Series				1900 Series		
	GS1915-8	GS1915-8EP	GS1915-24E	GS1915-24EP	GS1900-8	GS1900-8HP	GS1900-10HP
<b>Switch class</b>	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed/ NebulaFlex	Smart Managed	Smart Managed	Smart Managed
<b>Ports</b>							
<b>Total port count</b>	8	8	24	24	8	8	10
<b>Gigabit Ethernet (RJ-45)</b>	8	8	24	24	8	8	8
<b>Gigabit Combo (RJ-45/SFP)</b>	-	-	-	-	-	-	-
<b>Gigabit SFP</b>	-	-	-	-	-	-	2
<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>	-	60	-	130	-	77	77
<b>802.3at PoE+</b>	-	8	-	12	-	8	8
<b>802.3bt PoE++ (60 W)</b>	-	-	-	-	-	-	-
<b>Performance</b>							
<b>Switching capacity (Gbps)</b>	16	16	48	48	16	16	20
<b>Forwarding rate (Mpps)</b>	11.9	11.9	35.7	35.7	11.9	11.9	14.88
<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 (byte)</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) sFlow</b>	Yes	Yes	Yes	Yes	-	-	-
<b>Features</b>							
<b>VLANs (Static/Dynamic)</b>	256/-	256/-	256/-	256/-	1 K/4 K	1 K/4 K	1 K/4 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 & Desk	Wall & Desk	Rack	Rack	Wall	Wall	Wall
<b>Dimensions (WxDxH)(mm/in.)</b>	250 x 104 x 27/ 9.84 x 4.09 x 1.06	250 x 104 x 27/ 9.84 x 4.09 x 1.06	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	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
<b>Fanless</b>	Yes	Yes	Yes	-	Yes	Yes	Yes
<b>MTBF (hrs)</b>	1144 K	1641 K	674 K	769 K	862 K	926 K	801 K
<b>Redundant power support</b>	-	-	-	-	-	-	-

Model	1900 Series						
	GS1900-16	GS1900-24E	GS1900-24EP	GS1900-24	GS1900-24HPv2	GS1900-48	GS1900-48HPv2
<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>	16	24	24	26	26	50	50
<b>Gigabit Ethernet (RJ-45)</b>	16	24	24	24	24	48	48
<b>Gigabit Combo (RJ-45/SFP)</b>	-	-	-	-	-	-	-
<b>Gigabit SFP</b>	-	-	-	2	2	2	2
<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	-	170	-	170
<b>802.3at PoE+</b>	-	-	12	-	24	-	24
<b>802.3bt PoE++ (60 W)</b>	-	-	-	-	-	-	-
<b>Performance</b>							
<b>Switching capacity (Gbps)</b>	32	48	48	52	52	100	100
<b>Forwarding rate (Mpps)</b>	23.8	35.7	35.7	39	39	74	74
<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 (byte)</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/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
<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, IPSPG v6)</b>	-	-	-	-	-	-	-
<b>Physical</b>							
<b>Mounting type</b>	Wall & Rack	Wall & Rack	Rack	Rack	Rack	Rack	Rack
<b>Dimensions (WxDxH)(mm/in.)</b>	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	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
<b>Fanless</b>	Yes	Yes	-	Yes	-	-	-
<b>MTBF (hrs)</b>	843 K	804 K	910 K	432 K	879 K	229 K	612 K
<b>Redundant power support</b>	-	-	-	-	-	-	-

Model	1350 Series				1200 Series	
	GS1350-6HP	GS1350-12HP	GS1350-18HP	GS1350-26HP	XGS1250-12	XGS1210-12
<b>Switch class</b>	Surveillance Managed/ NebulaFlex Pro	Surveillance Managed/ NebulaFlex Pro	Surveillance Managed/ NebulaFlex Pro	Surveillance Managed/ NebulaFlex Pro	Web Managed	Web Managed
<b>Ports</b>						
<b>Total port count</b>	6	12	18	26	12	12
<b>Gigabit Ethernet (RJ-45)</b>	5	10	16	24	8	8
<b>Gigabit Combo (RJ-45/SFP)</b>	-	-	2	2	-	-
<b>Gigabit SFP</b>	1	2	-	-	-	-
<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>	5	10	16	24	-	-
<b>PoE</b>						
<b>Total PoE budget (Watts)</b>	60	130	250	375	-	-
<b>802.3at PoE+</b>	3	8	16	24	-	-
<b>802.3bt PoE++ (60 W)</b>	2	-	-	-	-	-
<b>Performance</b>						
<b>Switching capacity (Gbps)</b>	12	24	36	52	96	66
<b>Forwarding rate (Mpps)</b>	8.9	17.8	26.7	38.7	71.42	49
<b>Packet buffer (byte)</b>	525 K	525 K	525 K	525 K	1.5 M	1.5 M
<b>MAC address table</b>	8 K	8 K	8 K	8 K	16 K	16 K
<b>Jumbo frame (byte)</b>	9 K	9 K	9 K	9 K	12 K	12 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
<b>Full Command Line Interface (CLI)</b>	-	-	-	-	-	-
<b>SNMP/Syslog</b>	Yes	Yes	Yes	Yes	-	-
<b>CNC support</b>	Yes	Yes	Yes	Yes	-	-
<b>Zyxel One Network (ZON)</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Zyxel Nebula (Cloud)</b>	-	-	-	-	-	-
<b>sFlow</b>	-	-	-	-	-	-
<b>Features</b>						
<b>VLANs (Static/Dynamic)</b>	256/-	256/-	256/-	256/-	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	Yes	Yes
<b>IGMP snooping</b>	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
<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
<b>Dimensions (WxDxH)(mm/in.)</b>	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	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
<b>Fanless</b>	Yes	-	-	-	-	Yes
<b>MTBF (hrs)</b>	2022 K	1065 K	1700 K	888 K	529 K	537 K
<b>Redundant power support</b>	-	-	-	-	-	-

Model	1200 Series				1100 Series	
	GS1200-5HP v2	GS1200-8HP v2	GS1200-5	GS1200-8	GS1100-10HP	GS1100-16
<b>Switch class</b>	Web Managed	Web Managed	Web Managed	Web Managed	Unmanaged	Unmanaged
<b>Ports</b>						
<b>Total port count</b>	5	8	5	8	10	16
<b>Gigabit Ethernet (RJ-45)</b>	5	8	5	8	8	16
<b>Gigabit Combo (RJ-45/SFP)</b>	-	-	-	-	-	-
<b>Gigabit SFP</b>	-	-	-	-	2	-
<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>	60	60	-	-	130	-
<b>802.3at PoE+</b>	4	4	-	-	8	-
<b>802.3bt PoE++ (60 W)</b>	-	-	-	-	-	-
<b>Performance</b>						
<b>Switching capacity (Gbps)</b>	10	16	10	16	20	32
<b>Forwarding rate (Mpps)</b>	7.44	11.9	7.44	11.9	14.88	23.8
<b>Packet buffer (byte)</b>	128 K	192 K	128 K	192 K	256 K	256 K
<b>MAC address table</b>	2 K	4 K	2 K	4 K	8 K	8 K
<b>Jumbo frame (byte)</b>	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	-	-
<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/-	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>	Desktop & Wall	Desktop & Wall	Desktop & Wall	Desktop & Wall	Wall	Wall & Rack
<b>Dimensions (WxDxH)(mm/in.)</b>	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	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
<b>Fanless</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>MTBF (hrs)</b>	896 K	1089 K	1655 K	1570 K	1000 K	1156 K
<b>Redundant power support</b>	-	-	-	-	-	-



Model	1100 Series		1000 Series			Rugged Switch Series	
	GS1100-24E	GS1100-24	XGS1010-12	GS1005HP	GS1008HP	RGS100-5P	RGS200-12P
Switch class	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	L2 Managed
<b>Ports</b>							
Total port count	24	26	12	5	8	5	12
Gigabit Ethernet (RJ-45)	24	24	8	5	8	4	8
Gigabit Combo (RJ-45/SFP)	-	-	-	-	-	-	-
Gigabit SFP	-	2	-	-	-	1	4
1G/2.5G/5G/10G Ethernet (RJ-45)	-	-	2 (1G/2.5G)	-	-	-	-
10 Gigabit SFP+ Uplinks	-	-	2	-	-	-	-
10 Gigabit Combo (RJ-45/SFP+)	-	-	-	-	-	-	-
Configurable extended range ports	-	-	-	-	-	-	-
<b>PoE</b>							
Total PoE budget (Watts)	-	-	-	60	60	120	240
802.3at PoE+	-	-	-	4	8	4	8
802.3bt PoE++ (60 W)	-	-	-	-	-	-	-
<b>Performance</b>							
Switching capacity (Gbps)	48	52	66	10	16	10	24
Forwarding rate (Mpps)	35.7	38.7	49	7.44	11.9	7.44	17.86
Packet buffer (byte)	525 K	525 K	1.5 M	128 K	192 K	0.25 M	512 K
MAC address table	8 K	8 K	16 K	2 K	4 K	2 K	8 K
Jumbo frame (byte)	10 K	10 K	12 K	9 K	9 K	9 K	9 K
L3 forwarding table (IPv4/IPv6)	-	-	-	-	-	-	-
Routing table	-	-	-	-	-	-	-
IP interface	-	-	-	-	-	-	-
<b>Stacking</b>							
Virtual (iStacking)	-	-	-	-	-	-	-
Physical	-	-	-	-	-	-	-
<b>Management</b>							
Web GUI	-	-	-	-	-	-	Yes
Full Command Line Interface (CLI)	-	-	-	-	-	-	Yes
SNMP/Syslog	-	-	-	-	-	-	Yes
CNC support	-	-	-	-	-	-	Yes
Zyxel One Network (ZON)	-	-	-	-	-	-	-
Zyxel Nebula (Cloud)	-	-	-	-	-	-	-
sFlow	-	-	-	-	-	-	-
<b>Features</b>							
VLANs (Static/Dynamic)	-	-	-	-	-	-	1 K/-
Advance VLAN (protocol-based, MAC-based, guest VLAN, private VLAN)	-	-	-	-	-	-	-
IP source guard	-	-	-	-	-	-	Yes
QoS support	-	-	Yes	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)	-	-	-	-	-	-	-
<b>Physical</b>							
Mounting type	Wall & Rack	Rack	Desktop	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	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	29.1 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	Yes
MTBF (hrs)	366 K	388 K	537 K	2139 K	1094 K	568 K	568 K
Redundant power support	-	-	-	-	-	Yes	Yes

# Home/SOHO Switches Feature Matrix

Model	XMG-105	XMG-105HP	XMG-108	XMG-108HP	MG-105	MG-108
<b>Description</b>	5-Port 2.5GbE Unmanaged Switch with 1 port 10G SFP+	5-Port 2.5GbE Unmanaged PoE++ Switch with 1 port 10G SFP+	8-Port 2.5GbE Unmanaged Switch with 1 port 10G SFP+	8-Port 2.5GbE Unmanaged PoE++ Switch with 1 port 10G SFP+	5-Port 2.5GbE Unmanaged Switch	8-Port 2.5GbE Unmanaged Switch
<b>Case</b>	Metal	Metal	Metal	Metal	Metal	Metal
<b>Hardware</b>						
<b>Total port count</b>	6	6	9	9	5	8
<b>10 Gigabit SFP+</b>	1	1	1	1	-	-
<b>100/1000/2500 Mbps Ethernet ports</b>	5	5	8	8	5	8
<b>10/100/1000 Mbps Ethernet ports</b>	-	-	-	-	-	-
<b>100/1000/25000 Mbps Ethernet PoE++ ports</b>	-	4	-	8	-	-
<b>Performance</b>						
<b>Switching capacity (Gbps)</b>	45	45	60	60	25	40
<b>MAC address table</b>	4 K	4 K	4 K	4 K	16 K	16 K
<b>Packet buffer (byte)</b>	8 MB	8 MB	8 MB	8 MB	1.5 MB	1.5 MB
<b>Jumbo frame (byte)</b>	12 KB	12 KB	12 KB	12 KB	12 KB	12 KB
<b>Features</b>						
<b>Auto MDI/MDI-X</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Store and Forward</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Full duplex capability</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Flow control</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>802.3x flow control</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>QoS</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Green Features</b>						
<b>Fanless</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Power saving by detecting link status &amp; cable length</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Physical</b>						
<b>Dimensions (WxDxH)(mm/in.)</b>	160 x 110 x 26/ 6.30 x 4.33 x 1.02	160 x 110 x 26/ 6.30 x 4.33 x 1.02	240 x 105 x 27/ 9.45 x 4.13 x 1.06	240 x 105 x 27/ 9.45 x 4.13 x 1.06	160 x 110 x 26/ 6.3 x 4.33 x 1.02	240 x 106 x 26/ 9.45 x 4.13 x 1.02

Model	GS-105B v5*	GS-108B v5*	GS-105B v3	GS-108B v3
<b>Description</b>	5-Port GbE Unmanaged Switch	8-Port GbE Unmanaged Switch	5-Port Desktop Gigabit Ethernet Switch	8-Port Desktop Gigabit Ethernet Switch
<b>Case</b>	Metal	Metal	Metal	Metal
<b>Hardware</b>				
<b>Total port count</b>	5	8	5	8
<b>10 Gigabit SFP+</b>	-	-	-	-
<b>100/1000/2500 Mbps Ethernet ports</b>	-	-	-	-
<b>10/100/1000 Mbps Ethernet ports</b>	5	8	5	8
<b>100/1000/25000 Mbps Ethernet PoE++ ports</b>	-	-	-	-
<b>Performance</b>				
<b>Switching capacity (Gbps)</b>	10	16	10	16
<b>MAC address table</b>	2 K	2 K	2 K	4 K
<b>Packet buffer (byte)</b>	128 KB	128 KB	128 KB	192 KB
<b>Jumbo frame (byte)</b>	9 KB	9 KB	9 KB	9 KB
<b>Features</b>				
<b>Auto MDI/MDI-X</b>	Yes	Yes	Yes	Yes
<b>Store and Forward</b>	Yes	Yes	Yes	Yes
<b>Full duplex capability</b>	Yes	Yes	Yes	Yes
<b>Flow control</b>	Yes	Yes	Yes	Yes
<b>802.3x flow control</b>	Yes	Yes	Yes	Yes
<b>QoS</b>	Yes	Yes	Yes	Yes
<b>Green Features</b>				
<b>Fanless</b>	Yes	Yes	Yes	Yes
<b>Power saving by detecting link status &amp; cable length</b>	Yes	Yes	Yes	Yes
<b>Physical</b>				
<b>Dimensions (WxDxH)(mm/in.)</b>	82.5 x 46.8 x 24/ 3.25 x 1.84 x 0.94	126 x 51.8 x 24/ 4.96 x 2.04 x 0.94	121 x 75 x 26/ 4.8 x 3.0 x 1.0	155 x 85 x 26/ 6.1 x 3.3 x 1.0

\* Available in Q4 2024


# Licenses

License Name	Advance Routing License*	Basic Routing License*	Access L3 License*	
<b>Applied Product</b>	XGS4600-52F XGS4600-32F XGS4600-32	XS3800-28	XS1930-12F XS1930-12HP XS1930-10	XMG1930-30HP XMG1930-30
<b>Service Duration</b>	Life time	Life time	Life time	Life time




\* The license is only for standalone mode.

# Accessories

## PoE Extender



Product	PoE12-3PD
	802.3bt PoE Extender
	
<b>Interface Connections</b>	<ul style="list-style-type: none"> <li>PoE In Port: 1 x 10/100/1000BASE-T Ethernet with IEEE 802.3bt PoE++</li> <li>PoE Out Port: 3 x 10/100/1000BASE-T Ethernet with IEEE 802.3at PoE+</li> </ul>
<b>Data Rate</b>	10/100/1000 Mbps
<b>Max. PoE Power Budget</b>	45 W
<b>Enclosure</b>	IP55, plastic
<b>Installation</b>	Pole and Wall
<b>Power Input</b>	802.3bt (60 W) PoE input only
<b>Operating Temperature</b>	-20°C to 50°C/-4°F to 122°F
<b>ESD/Surge Protections</b>	Ethernet port surge protection: 6 KV Ethernet port ESD protection (air/contact): 8 KV/6 KV
<b>Dimensions (WxDxH)(mm/in.)</b>	180 x 99 x 35.9/7.09 x 3.9 x 1.41
<b>Weight (g/lb.)</b>	257/0.57

## PoE Injector

Product	PoE12-30W	PoE12-60W	PoE12-90W
	2.5G PoE+ Injector	5G PoE++ Injector	10G PoE++ Injector
			
<b>Specifications</b>	<ul style="list-style-type: none"> <li>Support speed: 100M/1G/2.5G</li> <li>2.5G data/PoE+ ports</li> <li>30 W power budget</li> <li>Complies with IEEE 802.3af PoE, 802.3at PoE+ standards</li> <li>Easy plug-and-play desktop or wall-mounted installation</li> </ul>	<ul style="list-style-type: none"> <li>Support speed: 100M/1G/2.5G/5G/10G*</li> <li>10G* data/PoE++ ports</li> <li>60 W power budget</li> <li>Complies with IEEE 802.3af PoE, 802.3at PoE+, 802.3bt PoE++ 60 W standards</li> <li>Easy plug-and-play desktop or wall-mounted installation</li> </ul>	<ul style="list-style-type: none"> <li>Support speed: 100M/1G/2.5G/5G/10G</li> <li>10G data/PoE++ ports</li> <li>90 W power budget</li> <li>Complies with IEEE 802.3af PoE, 802.3at PoE+, 802.3bt PoE++ 90 W standards</li> <li>Easy plug-and-play desktop or wall-mounted installation</li> </ul>
<b>Dimensions (WxDxH)(mm/in.)</b>	140 x 45.5 x 30/5.51 x 1.79 x 1.18	140 x 65 x 38.5/5.51 x 2.56 x 1.52	196.25 x 80 x 39.8/7.73 x 3.15 x 1.57

\* PoE12-60W supports 10G speeds with deployments using Cat 6a cable or higher, up to a maximum length of 30 meters.

## 10G Network Adapter PCIe Card

Product	10 Gigabit SFP+	10 Gigabit Copper RJ-45
	XGN100F	XGN100C
	10G Network Adapter PCIe Card with Single SFP+ Port	10G Network Adapter PCIe Card with Single RJ-45 Port
		
<b>Port Attributes</b>	10 Gigabit SFP+ port	RJ-45 for 100 Mbps/1 Gbps/2.5 Gbps/5 Gbps/10 Gbps Ethernet Port Auto-Negotiation
<b>Standard</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3ae</li> <li>• IEEE 802.1Q Tagged VLAN</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3an 10 Gbps Ethernet</li> <li>• IEEE 802.3bz 2.5 Gbps/5 Gbps Ethernet</li> <li>• IEEE 802.3ab Gigabit Ethernet</li> <li>• IEEE 802.3u Fast Ethernet</li> <li>• IEEE 802.3az Energy Efficient Ethernet</li> <li>• IEEE 802.1p Priority Queuing</li> </ul>
<b>Operating Temperature</b>	0°C to 40°C/32°F to 104°F	0°C to 40°C/32°F to 104°F
<b>Storage Temperature</b>	-40°C to 85°C/-40°F to 185°F	-40°C to 85°C/-40°F to 185°F

## Transceivers

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



### 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*	RJ-45	Duplex LC	Duplex LC	Duplex LC	Duplex LC
<b>Wavelength</b>	-	850 nm	850 nm	1310 nm	1310 nm
<b>Max transmission distance</b>	0.03 km/32.8 yd	0.3 km/328 yd	0.3 km/328 yd	10 km/10936 yd	10 km/10936 yd
<b>Support DDMI features</b>	-	Yes	Yes	Yes	Yes
<b>Optical fiber type</b>	-	Multi mode	Multi mode	Single mode	Single mode
<b>Pack quantity</b>	Single pack	Single pack	10-pack	Single pack	10-pack

\* Works with Cat6a/7 Cable up to 30 m. Switch fan speed will speed up to dissipate the addition heat generated by 10G BASE-T transceiver.

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



### 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	Duplex LC	Duplex LC	Duplex LC	Duplex LC
<b>Wavelength</b>	-	850 nm	850 nm	1310 nm	1310 nm
<b>Max transmission distance</b>	0.1 km/109 yd	0.55 km/601 yd	0.55 km/601 yd	10 km/10936 yd	10 km/10936 yd
<b>Support DDMI features</b>	-	Yes	Yes	Yes	Yes
<b>Optical fiber type</b>	Multi mode	Multi mode	Multi mode	Single mode	Single mode
<b>Pack quantity</b>	Single pack	Single pack	10-pack	Single pack	10-pack

\* Works with Cat6a/7 Cable up to 30 m. Switch fan speed will speed up to dissipate the addition heat generated by 10G BASE-T transceiver.

## Transceivers

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

Specifications						
<b>Connector*</b>	Duplex LC	Duplex LC	Single LC	Single LC	Single LC	Single LC
<b>Wavelength</b>	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)
<b>Max transmission distance</b>	40 km/ 43744 yd	80 km/ 87488 yd	10 km/ 10936 yd	20 km/ 21872 yd	10 km/ 10936 yd	20 km/ 21872 yd
<b>Support DDMI features</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Optical fiber type</b>	Single mode	Single mode	Single mode	Single mode	Single mode	Single mode
<b>Pack quantity</b>	Single pack	Single pack	Single pack	10-pack	Single pack	10-pack

\* Works with Cat6a/7 Cable up to 30 m. Switch fan speed will speed up to dissipate the addition heat generated by 10G BASE-T transceiver.  
 \*\* Only connections with patch cords with PC or UPC connectors are supported.

## Fiber Transceiver Accessories

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



<b>Connector</b>	SFP+ to SFP+	SFP+ to SFP+
<b>Max. Transmission Distance (m/ft)</b>	1/3.28	3/9.84
<b>Supply Voltage</b>	3.14 - 3.46 V	3.14 - 3.46 V
<b>Max. Current</b>	150 mA	150 mA

## Ethernet Surge Protector

Product	SURGEPRO-GE
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<b>Interface Connections</b>	2 RJ-45 connector
<b>Data Line Protection</b>	RJ-45 10/100/1000 Ethernet
<b>IEEE 802.3af/at/bt Support</b>	Yes (802.3bt 60 W supported)
<b>Maximum Discharge Current</b>	8 KA
<b>Line to GND Protection Level</b>	20 KV (10/700 us)/10 KA (8/20 us)
<b>Line to Line Protection Level</b>	4 KV (10/700 us)

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