







Quick Sales Guide

Switch



Fixed-Port Switch Quick Finder






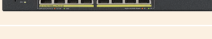



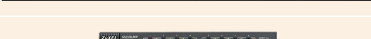







Switch Class	Series	Performance	Model	
L3 Managed	4500 Series	Gigabit Ethernet with 10G Uplink	XGS-4526	
			XGS-4528F	
L2 Managed	3900 Series	10 Gigabit Ethernet with 40GbE Uplink	XS3900-48F	
	3700 Series	10 Gigabit Ethernet	XS3700-24	
			XGS3700-24	
		Gigabit Ethernet with 10G Uplink	XGS3700-24HP	
			XGS3700-48	
			XGS3700-48HP	
			GS3700-24	
		Gigabit Ethernet	GS3700-24HP	
			GS3700-48	
			GS3700-48HP	
			3500 Series	Fast Ethernet
	ES3500-24			
	ES3500-24HP			
	2210 Series	Gigabit Ethernet	GS2210-8	
			GS2210-8HP	
			GS2210-24	
			GS2210-24HP	
			GS2210-48	
GS2210-48HP				
Smart Managed	1920 Series	10 Gigabit Ethernet	XS1920-12	
		Gigabit Ethernet	GS1920-24	
			GS1920-24HP	
			GS1920-48	
			GS1920-48HP	

Key Features



Model	Ports	Key Features
XGS-4526	20-port 1000BASE-T 4 x GbE combo ports 1 optional 2-port 10G open slot	<ul style="list-style-type: none"> Slot for 2-port 10 GbE module Extended L3 routing and L2 switching functions for highest performance Multilayer-aware (L2/L3/L4) ACL for security protection and traffic optimization Port security and enhanced 802.1X port authentication 8 IEEE 802.1p hardware priority queues
XGS-4528F	24 x GbE combo ports 2 x 10GbE CX4 ports 1 optional 2-port 10G open slot	<ul style="list-style-type: none"> 1.28 Tbps non-blocking switching capacity Forty-eight 10GbE SFP+ ports and four 40GbE QSFP+ uplinks Data center optimized with DCBX, 802.1Qaz (ETS) and 802.1Qbb (PFC) protocol support Redundant and hot-swappable fan trays and power supply modules Modular and flexible rack-by-rack deployment IPv6 support Low power consumption design
XGS3900-48F	48 x 10GbE SFP+ ports 4 x 40GbE QSFP+ ports	<ul style="list-style-type: none"> Flexible 10GbE connectivity with 12 SFP+ ports, 8 10G BASE-T ports and 4 SFP+ combo ports Layer-2 plus (L2+) feature set equipped with static, policy route and VRRP Hot-swappable power supply and fan modules No single-point of failure hardware and software design Future-proofed with IPv6 support Comprehensive security features to ensure network availability Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
XS3700-24	8-port 10GBASE-T 12 x 10GbE SFP+ 4 x 10GbE combo ports	<ul style="list-style-type: none"> Full Layer 2 feature set with Layer 3 features including static routing, policy-based routing, VRRP and ECMP support Four (4) 10GbE SFP+ uplink flexibility 24 or 48 ports of Gigabit Ethernet desktop connectivity Hot-swappable power supply and fan modules Internal redundant power supply design High PoE power budget up to 1000 W Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
XGS3700-24	24-port 1000BASE-T 4 x 10G SFP+ slot	<ul style="list-style-type: none"> 16 K MAC address table Policy-based QoS optimizes multi-service quality IGMP snooping v1, v2, v3, MVR Multilayer (L2/L3/L4) ACL suite for security protection High redundancy and resilient architecture with RSTP and port trunking IPv6 management support IEEE 802.3at PoE Plus standard (ES3500-24HP) Enhanced energy efficiency with PoE consumption mode (ES3500-24HP) Streamlined network initialization by supporting ZON utility
XGS3700-24HP	24-port 1000BASE-T PoE 4 x 10G SFP+ slot	<ul style="list-style-type: none"> Upgrades your network to 10GbE connectivity easily and economically Simplified configuration with user-friendly web-based management GUI Flexible 10G connection to 10G servers and network storage through both copper and fiber ZyXEL One Network experience enables simple network management and maintenance Dual firmware images and configuration ensure network availability Future-proofed with IPv6 support Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
XGS3700-48	48-port 1000BASE-T 4 x 10G SFP+ slot	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
XGS3700-48HP	48-port 1000BASE-T PoE 4 x 10G SFP+ slot	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget Reliable network availability with Loop Guard, IPSG, and CPU protection RADIUS, static MAC forwarding and 802.1X authentication-enhance network security Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS3700-24	24-port 1000BASE-T 4 GbE SFP slot	<ul style="list-style-type: none"> Upgrades your network to 10GbE connectivity easily and economically Simplified configuration with user-friendly web-based management GUI Flexible 10G connection to 10G servers and network storage through both copper and fiber ZyXEL One Network experience enables simple network management and maintenance Dual firmware images and configuration ensure network availability Future-proofed with IPv6 support Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS3700-24HP	24-port 1000BASE-T PoE 4 GbE SFP slot	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS3700-48	48-port 1000BASE-T 4 GbE SFP slot	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS3700-48HP	48-port 1000BASE-T PoE 4 GbE SFP slot	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
ES3500-8PD	8-port 10/100BASE-TX 2 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
ES3500-24	24-port 10/100BASE-TX 4 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
ES3500-24HP	24-port 10/100BASE-TX PoE 4 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS2210-8	8-port 1000BASE-T 2 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS2210-8HP	8-port 1000BASE-T PoE 2 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS2210-24	24-port 1000BASE-T 4 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS2210-24HP	24-port 1000BASE-T PoE 4 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS2210-48	44-port 1000BASE-T 2 x GbE SFP ports 4 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS2210-48HP	48-port 1000BASE-T PoE 2 x GbE SFP ports 4 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
XS1920-12	10-port 10GBASE-T 2 x 10GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS1920-24	24-port 1000BASE-T 4 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS1920-24HP	24-port 1000BASE-T PoE 4 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS1920-48	44-port 1000BASE-T 2 x GbE SFP ports 4 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect
GS1920-48HP	48-port 1000BASE-T PoE 2 x GbE SFP ports 4 x GbE combo ports	<ul style="list-style-type: none"> GbE RJ-45, GbE combo (RJ-45/SFP) and fixed GbE SFP connectivity PoE models comply with IEEE 802.3at PoE Plus with 375 W power budget (24HP/48HP) and 180 W power budget (8HP) L2 multicast, IGMP snooping, and MVR for convergence Enhanced network protection with IP source guard, DHCP snooping, ARP inspection, CPU protection L2, L3 and L4 filtering, MAC freeze, port isolation, guest VLAN for improved isolation and access control Streamlined network initialization and troubleshooting by supporting ZON utility and ZyXEL Smart Connect



Fixed-Port Switch Quick Finder

Switch Class	Series	Performance	Model			
Smart Managed	1910 Series	Gigabit Ethernet	XGS1910-24 			
			XGS1910-48 			
			GS1910-24 			
			GS1910-24HP 			
			GS1910-48 			
			GS1910-48HP 			
	1900 Series	Gigabit Ethernet	GS1900-8 			
			GS1900-8HP 			
			GS1900-10HP 			
			GS1900-16 			
			GS1900-24E 			
			GS1900-24 			
			GS1900-24HP 			
			GS1900-48 			
			GS1900-48HP 			
			Unmanaged	1100 Series	Gigabit Ethernet	GS1100-8HP 
						GS1100-10HP 
						GS1100-16 
GS1100-24 						
GS1100-24E 						
Fast Ethernet	ES1100-8P 					
	ES1100-16P 					
	ES1100-16 					
	ES1100-24E 					
	ES1100-24 					
	ES1100-24G 					

Ethernet over Coaxial Quick Finder

Switch Class	Series	Performance	Model
EOC350 Series		Ethernet over Coaxial	EOC350-TA 
			EOC350-TS 

Key Features

Model	Ports	Key Features
XGS1910-24	20-port 1000BASE-T 4 x GbE combo ports 2 x 10G SFP+ slot	<ul style="list-style-type: none"> Advanced L2 switching features IPv6 management support IEEE 802.3az Energy Efficient Ethernet (EEE) complies with best energy-efficient platforms Supports IEEE 802.1AB LLDP/LLDP-MED to provide easy mapping for network management applications
XGS1910-48	44-port 1000BASE-T 4 x GbE combo ports 4 x 10G SFP+ slot	
GS1910-24	20-port 1000BASE-T 4 x GbE combo ports	
GS1910-24HP	20-port 1000BASE-T PoE 4 x GbE combo ports (SFP/RJ-45 PoE)	<ul style="list-style-type: none"> Advanced L2 switching features IPv6 management Complies with the IEEE 802.3at standard with budget power (GS1910-24HP/48HP) IEEE 802.3az Energy Efficient Ethernet (EEE) complies with best energy-efficient platforms Fanless design for silent environments (GS1910-24) Supports IEEE 802.1AB LLDP/LLDP-MED to provide easy mapping for network management applications
GS1910-48	48-port 1000BASE-T 4 GbE SFP slot	
GS1910-48HP	48-port 1000BASE-T PoE 4 GbE SFP slot	
GS1900-8	8-port 1000BASE-T	<ul style="list-style-type: none"> Easy browser-based switch management Quick and easy set up wizard Advanced network error prevention features (loop protection, dual images, storm control, DoS and SSL) Fanless design (GS1900-8/8HP/10HP/16/24/24E) Green Ethernet IEEE 802.3az support and intelligent ZyXEL green features High-power PoE support IEEE 802.3at (GS1900-8HP/10HP/24HP/48HP) Streamlined network initialization by supporting ZON utility
GS1900-8HP	8-port 1000BASE-T PoE	
GS1900-10HP	8-port 1000BASE-T PoE 2 GbE SFP slot	
GS1900-16	16-port 1000BASE-T	
GS1900-24E	24-port 1000BASE-T	
GS1900-24	24-port 1000BASE-T 2 GbE SFP slot	
GS1900-24HP	24-port 1000BASE-T PoE 2 GbE SFP slot	
GS1900-48	48-port 1000BASE-T 2 GbE SFP slot	
GS1900-48HP	24-port 1000BASE-T 24-port 1000BASE-T PoE 2 GbE SFP slot	
GS1100-8HP	4-port 1000BASE-T 4-port 1000BASE-T PoE	
GS1100-10HP	8-port 1000BASE-T PoE 2 GbE SFP slot	
GS1100-16	16-port 1000BASE-T	
GS1100-24	24-port 1000BASE-T 2 GbE SFP open slot	
GS1100-24E	24-port 1000BASE-T	
ES1100-8P	4-port 10/100BASE-T 4-port 10/100BASE-T PoE	<ul style="list-style-type: none"> Non-blocking, wire-speed transmission Auto MDI/MDI-X support IEEE 802.3az compliant Fanless design for silent operation IEEE 802.3x flow control supported IEEE 802.1p CoS supported Jumbo frame support (up to 9 K bytes)
ES1100-16P	8-port 10/100BASE-T 8-port 10/100BASE-T PoE	
ES1100-16	16-port 10/100BASE-T	
ES1100-24E	24-port 10/100BASE-T	
ES1100-24	24-port 10/100BASE-T	
ES1100-24G	24-port 10/100BASE-T 2 x GbE combo ports	
ES1100-24G	24-port 10/100BASE-T 2 x GbE combo ports	

Key Features

Model	Ports	Key Features
EOC350-TA	2-port Fast Ethernet	<ul style="list-style-type: none"> Design for high-speed services over coaxial network Up to 224 Mbps data rates as distribution backbone over coaxial cable Up to 65 dB built-in high attenuation to extend transmission distance DHCP client, option 82 and snooping Built-in noise spectrum analyzer Support 802.1p QoS and 802.1Q tag VLAN IGMP snooping control
EOC350-TS	2-port Gigabit Ethernet	

LAN Switches Feature Matrix

Model	Switch 4500 Series		Switch 3900 Series	Switch 3700 Series				
	XGS-4526	XGS-4528F	XS3900-48F	XS3700-24	XGS3700-24	XGS3700-24HP	XGS3700-48	XGS3700-48HP
Switch Class	Layer 3	Layer 3	Layer 2	Layer 2 Plus (Layer 3 Lite)	Layer 2 Plus (Layer 3 Lite)	Layer 2 Plus (Layer 3 Lite)	Layer 2 Plus (Layer 3 Lite)	Layer 2 Plus (Layer 3 Lite)
Hardware								
Total port count	26	28	52	24	28	28	52	52
100 Mbit RJ-45 ports	-	-	-	-	-	-	-	-
100 Mbit RJ-45 PoE ports	-	-	-	-	-	-	-	-
100 Mbit SFP slots	-	-	-	-	-	-	-	-
10 Gigabit RJ-45 ports	-	-	-	8	-	-	-	-
1 Gigabit RJ-45 ports	20	-	-	-	24	-	48	-
1 Gigabit RJ-45 PoE ports	-	-	-	-	-	24	-	48
1 Gigabit SFP slots	-	-	-	-	-	-	-	-
10 Gigabit combo ports (RJ-45/SFP)	-	-	-	4	-	-	-	-
Gigabit combo ports (RJ-45/SFP)	4	24	-	-	-	-	-	-
10 Gigabit CX4 ports	-	2	-	-	-	-	-	-
10 Gigabit module	1	1	-	-	-	-	-	-
10 Gigabit SFP+ slots	-	-	48	12	4	4	4	4
40-Gigabit QSFP+	-	-	4	-	-	-	-	-
Backplane bandwidth (Gbps)	96	144	1,280	480	128	128	176	176
Forwarding rate (Mpps)	71.4	100	952.4	357.14	95	95	131	131
MAC addresses table	8 K	8 K	128 K	16 K	16 K	16 K	16 K	16 K
Management								
IPv6 management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CLI, Web GUI	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes
iStacking (single IP management)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Out-of-band management port	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Routing/Redundancy								
OSPF	Yes	Yes	-	-	-	-	-	-
RIP v1, v2	Yes	Yes	-	-	-	-	-	-
Static IP routing	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes
VRPP	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes
Spanning Tree (STP/MSTP/RSTP)	Yes/Yes/Yes	Yes/Yes/Yes	-	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Redundant power support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Quality of Service								
Priority queues	8	8	8	8	8	8	8	8
Data prioritization (SPQ/WRR/WFQ)	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Guest VLAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping (v1/v2/v3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MVR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Jumbo frame forwarding	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DVMRP	Yes	Yes	-	-	-	-	-	-
802.1p class of service	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security								
MAC freeze/intrusion lock	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
802.1X authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TACACS+/RADIUS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACL security filter L2/L3/L4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sflow	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CPU protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Green Features								
Fanless	-	-	-	-	-	-	-	-
IEEE Energy-Efficient-Ethernet	-	-	-	Yes	Yes	Yes	Yes	Yes
Others								
MTBF (hr)	119,814	125,667	156,472	446,035	280,000	220,000	250,000	200,000
Heat dissipation (BTU/hr)	289.85	245.52	1,024.32	Single PSU: 487.971 Dual PSU: 549.01	Single PSU: 197.1 Dual PSU: 239.7	Single PSU: 253.4 Dual PSU: 335.9	Single PSU: 254.7 Dual PSU: 298.7	Single PSU: 329.7 Dual PSU: 413.6
Physical Specifications								
Dimensions (WxDxH)(mm/in.)	438 x 310 x 44.5/ 17.24 x 12.20 x 1.75	438 x 310 x 44.5/ 17.24 x 12.20 x 1.75	440 x 455 x 43/ 17.32 x 17.91 x 1.69	440 x 438 x 44/ 17.32 x 17.24 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	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
Weight (kg/lb.)	4.8/10.58	4.9/10.80	10.2/22.49	7.392/16.3	7.27/16.03	7.55/16.64	7.57/16.69	8.02/17.68
Included accessories	• Power cord • Console cable • Rack mounting kit	• Power cord • Console cable • Rack mounting kit • CX-4 cable	• Power cord • Console cable • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit

Model	Switch 3700 Series				Switch 3500 Series			Switch 2210 Series	
	GS3700-24	GS3700-24HP	GS3700-48	GS3700-48HP	ES3500-8PD	ES3500-24	ES3500-24HP	GS2210-8	GS2210-8HP
Switch Class	Layer 2 Plus (Layer 3 Lite)	Layer 2 Plus (Layer 3 Lite)	Layer 2 Plus (Layer 3 Lite)	Layer 2 Plus (Layer 3 Lite)	Layer 2	Layer 2	Layer 2	Layer 2	Layer 2
Hardware									
Total port count	28	28	52	52	10	28	28	10	10
100 Mbit RJ-45 ports	-	-	-	-	8	24	-	-	-
100 Mbit RJ-45 PoE ports	-	-	-	-	-	-	24	-	-
100 Mbit SFP slots	-	-	-	-	-	-	-	-	-
10 Gigabit RJ-45 ports	-	-	-	-	-	-	-	-	-
1 Gigabit RJ-45 ports	24	-	48	-	-	-	-	8	-
1 Gigabit RJ-45 PoE ports	-	24	-	48	-	-	-	-	8
1 Gigabit SFP slots	4	4	4	4	-	-	-	-	-
10 Gigabit combo ports (RJ-45/SFP)	-	-	-	-	-	-	-	-	-
Gigabit combo ports (RJ-45/SFP)	-	-	-	-	2	4	4	2	2
10 Gigabit CX4 ports	-	-	-	-	-	-	-	-	-
10 Gigabit module	-	-	-	-	-	-	-	-	-
10 Gigabit SFP+ slots	-	-	-	-	-	-	-	-	-
40-Gigabit QSFP+	-	-	-	-	-	-	-	-	-
Backplane bandwidth (Gbps)	56	56	104	104	5.6	12.8	12.8	20	20
Forwarding rate (Mpps)	42	42	77	77	4.17	9.6	9.6	15	15
MAC addresses table	16 K	16 K	16 K	16 K	16 K	16 K	16 K	16 K	16 K
Management									
IPv6 management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CLI, Web GUI	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes
iStacking (single IP management)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Out-of-band management port	Yes	Yes	Yes	Yes	-	-	-	-	-
Routing/Redundancy									
OSPF	-	-	-	-	-	-	-	-	-
RIP v1, v2	-	-	-	-	-	-	-	-	-
Static IP routing	Yes	Yes	Yes	Yes	-	-	-	-	-
VRRP	Yes	Yes	Yes	Yes	-	-	-	-	-
Spanning Tree (STP/MSTP/RSTP)	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Redundant power support	Yes	Yes	Yes	Yes	-	-	-	-	-
Quality of Service									
Priority queues	8	8	8	8	8	8	8	8	8
Data prioritization (SPQ/WRR/WFQ)	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Guest VLAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping (v1/v2/v3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MVR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Jumbo frame forwarding	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DVMRP	-	-	-	-	-	-	-	-	-
802.1p class of service	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security									
MAC freeze/intrusion lock	Yes	Yes	Yes	Yes	Yes	Yes/-	Yes	Yes	Yes
802.1X authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TACACS+/RADIUS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACL security filter L2/L3/L4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sflow	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-
CPU protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Green Features									
Fanless	-	-	-	-	Yes	Yes	-	Yes	-
IEEE Energy-Efficient-Ethernet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Others									
MTBF (hr)	280,000	220,000	250,000	200,000	485,196	133,798	773,887	1,382,030	1,155,719
Heat dissipation (BTU/hr)	Single PSU: 173.9 Dual PSU: 214.5	Single PSU: 226.1 Dual PSU: 299.7	Single PSU: 242.5 Dual PSU: 279.3	Single PSU: 294.3 Dual PSU: 379.5	32.4	48	804.8	32.22	753.61
Physical Specifications									
Dimensions (WxDxH)(mm/in.)	440 x 437 x 40/ 17.32 x 17.2 x 1.57	440 x 437 x 40/ 17.32 x 17.2 x 1.57	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	215.5 x 123 x 42/ 8.48 x 4.84 x 1.65	438 x 180 x 44.5/ 17.24 x 7.09 x 1.75	440 x 330 x 44/ 17.32 x 12.99 x 1.73	250 x 150 x 44/ 9.84 x 5.91 x 1.72	330 x 230.5 x 44.5/ 12.99 x 9.07 x 1.75
Weight (kg/lb.)	7.24/15.96	7.44/16.4	7.55/16.64	8/17.64	1.04/2.29	2.4/5.29	4.3/9.48	1.425/3.14	2.703/5.96
Included accessories	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Power adapter • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Power adapter • Rack mounting kit	• Power cord • Wall mount kit • Rack mounting kit	• Power cord • Rack mounting kit

Model	Switch 2210 Series				Switch 1920 Series				
	GS2210-24	GS2210-24HP	GS2210-48	GS2210-48HP	XS1920-12	GS1920-24	GS1920-24HP	GS1920-48	GS1920-48HP
Switch Class	Layer 2	Layer 2	Layer 2	Layer 2	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed
Hardware									
Total port count	28	28	50	50	12	28	28	50	50
100 Mbit RJ-45 ports	-	-	-	-	-	-	-	-	-
100 Mbit RJ-45 PoE ports	-	-	-	-	-	-	-	-	-
100 Mbit SFP slots	-	-	-	-	-	-	-	-	-
10 Gigabit RJ-45 ports	-	-	-	-	10	-	-	-	-
1 Gigabit RJ-45 ports	24	-	44	-	-	24	-	44	-
1 Gigabit RJ-45 PoE ports	-	24	-	48	-	-	24	-	48
1 Gigabit SFP slots	-	-	2	2	-	-	-	2	2
10 Gigabit combo ports (RJ-45/SFP)	-	-	-	-	2	-	-	-	-
Gigabit combo ports (RJ-45/SFP)	4	4	4	4	-	4	4	4	4
10 Gigabit CX4 ports	-	-	-	-	-	-	-	-	-
10 Gigabit module	-	-	-	-	-	-	-	-	-
10 Gigabit SFP+ slots	-	-	-	-	-	-	-	-	-
40-Gigabit QSFP+	-	-	-	-	-	-	-	-	-
Backplane bandwidth (Gbps)	56	56	100	100	240	56	56	100	100
Forwarding rate (Mpps)	41.7	41.7	74	74	178.6	41.7	41.7	74	74
MAC addresses table	16 K	16 K	16 K	16 K	16 K	16 K	16 K	16 K	16 K
Management									
IPv6 management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CLI, Web GUI	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	-/Web GUI	-/Web GUI	-/Web GUI	-/Web GUI	-/Web GUI
iStacking (single IP management)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Out-of-band management port	-	-	-	-	-	-	-	-	-
Routing/Redundancy									
OSPF	-	-	-	-	-	-	-	-	-
RIP v1, v2	-	-	-	-	-	-	-	-	-
Static IP routing	-	-	-	-	Yes	-	-	-	-
VRRP	-	-	-	-	-	-	-	-	-
Spanning Tree (STP/MSTP/RSTP)	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Redundant power support	-	-	-	-	-	-	-	-	-
Quality of Service									
Priority queues	9	10	8	8	8	9	10	8	8
Data prioritization (SPQ/WRR/WFQ)	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Guest VLAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping (v1/v2/v3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MVR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Jumbo frame forwarding	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DVMRP	-	-	-	-	-	-	-	-	-
802.1p class of service	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security									
MAC freeze/intrusion lock	Yes	Yes	Yes	Yes	Yes/-	Yes/-	Yes/-	Yes/-	Yes/-
802.1X authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TACACS+/RADIUS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACL security filter L2/L3/L4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sflow	-	-	-	-	-	-	-	-	-
CPU protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Green Features									
Fanless	Yes	-	-	-	-	Yes	-	-	-
IEEE Energy-Efficient-Ethernet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Others									
MTBF (hr)	211,623	133,063	255,580	120,761	839,625	432,673	318,142	255,580	120,761
Heat dissipation (BTU/hr)	92.75	1,625.55	136.40	1,715.23	325.97	92.75	1,625.55	136.40	1,572.01
Physical Specifications									
Dimensions (WxDxH)(mm/in.)	440 x 131 x 44.5/ 17.32 x 5.16 x 1.75	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75	440 x 200 x 44.5/ 17.32 x 7.87 x 1.75	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75	440 x 131 x 44.5/ 17.32 x 5.16 x 1.75	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75	440 x 200 x 44.5/ 17.32 x 7.87 x 1.75	440 x 330 x 44.5/ 17.32 x 12.99 x 1.75
Weight (kg/lb.)	2.26/4.98	4.83/10.63	3.04/6.7	5.13/11.3	4.205/9.27	2.26/4.98	4.83/10.63	3.04/6.7	5.13/11.3
Included accessories	• Power cord • Console cable • Rack mounting kit	• Power cord • Console cable • Rack mounting kit	• Power cord • Console cable • Rack mounting kit	• Power cord • Console cable • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit



Model	Switch 1910 Series					
	XGS1910-24	XGS1910-48	GS1910-24	GS1910-24HP	GS1910-48	GS1910-48HP
Switch Class	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed
Hardware						
Total port count	26	52	24	24	52	52
100 Mbit RJ-45 ports	-	-	-	-	-	-
100 Mbit RJ-45 PoE ports	-	-	-	-	-	-
100 Mbit SFP slots	-	-	-	-	-	-
10 Gigabit RJ-45 ports	-	-	-	-	-	-
1 Gigabit RJ-45 ports	20	44	20	-	48	-
1 Gigabit RJ-45 PoE ports	-	-	-	20	-	48
1 Gigabit SFP slots	-	-	-	-	4	4
10 Gigabit combo ports (RJ-45/SFP)	-	-	-	-	-	-
Gigabit combo ports (RJ-45/SFP)	4	4	4	4	-	-
10 Gigabit CX4 ports	-	-	-	-	-	-
10 Gigabit module	-	-	-	-	-	-
10 Gigabit SFP+ slots	2	4	-	-	-	-
40-Gigabit QSFP+	-	-	-	-	-	-
Backplane bandwidth (Gbps)	88	176	48	48	104	104
Forwarding rate (Mpps)	65.5	131	35.7	35.7	77.4	77.4
MAC addresses table	32 K	32 K	8 K	8 K	32 K	32 K
Management						
IPv6 management	Yes	Yes	Yes	Yes	Yes	Yes
CLI, Web GUI	-/Web GUI	-/Web GUI	-/Web GUI	-/Web GUI	-/Web GUI	-/Web GUI
iStacking (single IP management)	-	-	-	-	-	-
Out-of-band management port	-	-	-	-	-	-
Routing/Redundancy						
OSPF	-	-	-	-	-	-
RIP v1, v2	-	-	-	-	-	-
Static IP routing	-	-	-	-	-	-
VRRP	-	-	-	-	-	-
Spanning Tree (STP/MSTP/RSTP)	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Redundant power support	-	-	-	-	-	-
Quality of Service						
Priority queues	8	8	8	8	8	8
Data prioritization (SPQ/WRR/WFQ)	Yes/-/Yes	Yes/-/Yes	Yes/-/Yes	Yes/-/Yes	Yes/-/Yes	Yes/-/Yes
Guest VLAN	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping (v1/v2/v3)	Yes	Yes	Yes	Yes	Yes	Yes
MVR	Yes	Yes	Yes	Yes	Yes	Yes
Jumbo frame forwarding	Yes	Yes	Yes	Yes	Yes	Yes
DVMRP	-	-	-	-	-	-
802.1p class of service	Yes	Yes	Yes	Yes	Yes	Yes
Security						
MAC freeze/intrusion lock	-	-	-	-	-	-
802.1X authentication	Yes	Yes	Yes	Yes	Yes	Yes
TACACS+/RADIUS	Yes	Yes	Yes	Yes	Yes	Yes
ACL security filter L2/L3/L4	Yes	Yes	Yes	Yes	Yes	Yes
Sflow	-	-	-	-	-	-
CPU protection	-	-	-	-	-	-
Green Features						
Fanless	-	-	Yes	-	-	-
IEEE Energy-Efficient-Ethernet	Yes	Yes	Yes	Yes	Yes	Yes
Others						
MTBF (hr)	> 100,000	> 100,000	> 100,000	> 100,000	> 100,000	> 100,000
Heat dissipation (BTU/hr)	109.1	206.3	61.4	1650.4	167.1	1769.8
Physical Specifications						
Dimensions (WxDxH)(mm/in.)	430 x 180 x 44.5/ 16.9 x 7.08 x 1.75	430 x 250 x 44.5/ 16.9 x 9.84 x 1.75	430 x 180 x 44.5/ 16.9 x 7.08 x 1.75	440 x 350 x 44.5/ 17.3 x 13.8 x 1.75	430 x 250 x 44.5/ 16.9 x 9.84 x 1.75	440 x 350 x 44.5/ 17.3 x 13.8 x 1.75
Weight (kg/lb.)	2.1/4.63	3.1/6.83	2/4.41	4.08/8.99	3/6.61	4.71/10.38
Included accessories	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit

Model	Switch 1900 Series								
	GS1900-8	GS1900-8HP	GS1900-10HP	GS1900-16	GS1900-24E	GS1900-24	GS1900-24HP	GS1900-48	GS1900-48HP
Switch Class	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed	Smart Managed
Hardware									
Total port count	8	8	10	16	24	26	26	50	50
100 Mbit RJ-45 ports	-	-	-	-	-	-	-	-	-
100 Mbit RJ-45 PoE ports	-	-	-	-	-	-	-	-	-
100 Mbit SFP slots	-	-	-	-	-	-	-	-	-
10 Gigabit RJ-45 ports	-	-	-	-	-	-	-	-	-
1 Gigabit RJ-45 ports	8	-	-	16	24	24	-	48	24
1 Gigabit RJ-45 PoE ports	-	8	8	-	-	-	24	-	24
1 Gigabit SFP slots	-	-	2	-	-	2	2	2	2
10 Gigabit combo ports (RJ-45/SFP)	-	-	-	-	-	-	-	-	-
Gigabit combo ports (RJ-45/SFP)	-	-	-	-	-	-	-	-	-
10 Gigabit CX4 ports	-	-	-	-	-	-	-	-	-
10 Gigabit module	-	-	-	-	-	-	-	-	-
10 Gigabit SFP+ slots	-	-	-	-	-	-	-	-	-
40-Gigabit QSFP+	-	-	-	-	-	-	-	-	-
Backplane bandwidth (Gbps)	16	16	20	32	48	52	52	100	100
Forwarding rate (Mpps)	11.9	11.9	14.9	23.8	35.7	39	39	74	74
MAC addresses table	8 K	8 K	8 K	8 K	8 K	8 K	8 K	8 K	8 K
Management									
IPv6 management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CLI, Web GUI	-/Web GUI	-/Web GUI	-/Web GUI	-/Web GUI	-/Web GUI	-/Web GUI	-/Web GUI	-/Web GUI	-/Web GUI
iStacking (single IP management)	-	-	-	-	-	-	-	-	-
Out-of-band management port	-	-	-	-	-	-	-	-	-
Routing/Redundancy									
OSPF	-	-	-	-	-	-	-	-	-
RIP v1, v2	-	-	-	-	-	-	-	-	-
Static IP routing	-	-	-	-	-	-	-	-	-
VRRP	-	-	-	-	-	-	-	-	-
Spanning Tree (STP/MSTP/RSTP)	Yes/ Yes /Yes	Yes/ Yes /Yes	Yes/ Yes /Yes	Yes/ Yes /Yes	Yes/ Yes /Yes	Yes/ Yes /Yes	Yes/ Yes /Yes	Yes/ Yes /Yes	Yes/ Yes /Yes
Redundant power support	-	-	-	-	-	-	-	-	-
Quality of Service									
Priority queues	8	8	8	8	8	8	8	8	8
Data prioritization (SPQ/WRR/WFQ)	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Guest VLAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping (v1/v2/v3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MVR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Jumbo frame forwarding	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DVMRP	-	-	-	-	-	-	-	-	-
802.1p class of service	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security									
MAC freeze/intrusion lock	-	-	-	-	-	-	-	-	-
802.1X authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TACACS+/RADIUS	-/RADIUS	-/RADIUS	-/RADIUS	-/RADIUS	-/RADIUS	-/RADIUS	-/RADIUS	-/RADIUS	-/RADIUS
ACL security filter L2/L3/L4	-	-	-	-	-	-	-	-	-
Sflow	-	-	-	-	-	-	-	-	-
CPU protection	-	-	-	-	-	-	-	-	-
Green Features									
Fanless	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-
IEEE Energy-Efficient-Ethernet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Others									
MTBF (hr)	862,561	926,199	801,113	843,668	804,714	1,185,520	831,234	619,903	516,080
Heat dissipation (BTU/hr)	22.17	48.763	65.472	37.51	47.79	55.92	98.89	125.49	170.5
Physical Specifications									
Dimensions (WxDxH)(mm/in.)	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	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	440 x 330 x 45/ 17.32 x 13 x 1.77
Weight (kg/lb.)	0.65/1.43	0.71/1.57	0.72/1.59	0.97/2.13	1.56/3.44	2.09/4.60	4.03/8.88	2.9/6.39	4.24/9.35
Included accessories	• Power adapter • Wall mount kit	• Power cord • Power adapter • Wall mount kit	• Power cord • Power adapter • Wall mount kit	• Power cord • Wall mount kit • Rack mounting kit	• Power cord • Wall mount kit • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Rack mounting kit

Model	Switch 1100 Series											
	GS1100-8HP	GS1100-10HP	GS1100-16	GS1100-24	GS1100-24E	ES1100-8P	ES1100-16P	ES1100-16	ES1100-24	ES1100-24E	ES1100-24G	
Switch Class	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged
Hardware												
Total port count	8	10	16	26	24	8	16	16	24	24	24	26
100 Mbit RJ-45 ports	-	-	-	-	-	4	8	16	24	24	24	24
100 Mbit RJ-45 PoE ports	-	-	-	-	-	4	8	-	-	-	-	-
100 Mbit SFP slots	-	-	-	-	-	-	-	-	-	-	-	-
10 Gigabit RJ-45 ports	-	-	-	-	-	-	-	-	-	-	-	-
1 Gigabit RJ-45 ports	4	-	16	24	24	-	-	-	-	-	-	-
1 Gigabit RJ-45 PoE ports	4	8	-	-	-	-	-	-	-	-	-	-
1 Gigabit SFP slots	-	2	-	2	-	-	-	-	-	-	-	-
10 Gigabit combo ports (RJ-45/SFP)	-	-	-	-	-	-	-	-	-	-	-	-
Gigabit combo ports RJ-45/SFP)	-	-	-	-	-	-	-	-	-	-	-	2
10 Gigabit CX4 ports	-	-	-	-	-	-	-	-	-	-	-	-
10 Gigabit module	-	-	-	-	-	-	-	-	-	-	-	-
10 Gigabit SFP+ slots	-	-	-	-	-	-	-	-	-	-	-	-
40-Gigabit QSFP+	-	-	-	-	-	-	-	-	-	-	-	-
Backplane bandwidth (Gbps)	16	20	32	52	48	1.6	3.2	3.2	4.8	4.8	8.8	8.8
Forwarding rate (Mpps)	11.9	14.9	23.8	38.7	35.7	1.2	2.4	2.4	3.6	3.6	6.6	6.6
MAC addresses table	8 K	8 K	8 K	8 K	8 K	1 K	8 K	8 K	8 K	8 K	8 K	8 K
Management												
IPv6 management	-	-	-	-	-	-	-	-	-	-	-	-
CLI, Web GUI	-	-	-	-	-	-	-	-	-	-	-	-
iStacking (single IP management)	-	-	-	-	-	-	-	-	-	-	-	-
Out-of-band management port	-	-	-	-	-	-	-	-	-	-	-	-
Routing/Redundancy												
OSPF	-	-	-	-	-	-	-	-	-	-	-	-
RIP v1, v2	-	-	-	-	-	-	-	-	-	-	-	-
Static IP routing	-	-	-	-	-	-	-	-	-	-	-	-
VRRP	-	-	-	-	-	-	-	-	-	-	-	-
Spanning Tree (STP/MSTP/RSTP)	-	-	-	-	-	-	-	-	-	-	-	-
Redundant power support	-	-	-	-	-	-	-	-	-	-	-	-
Quality of Service												
Priority queues	4	8	8	8	8	4	8	8	8	8	8	8
Data prioritization (SPQ/WRR/WFQ)	-	-	-	-	-	-	-	-	-	-	-	-
Guest VLAN	-	-	-	-	-	-	-	-	-	-	-	-
IGMP snooping (v1/v2/v3)	-	-	-	-	-	-	-	-	-	-	-	-
MVR	-	-	-	-	-	-	-	-	-	-	-	-
Jumbo frame forwarding	Yes	Yes	Yes	Yes	Yes	-	-	Yes	Yes	Yes	Yes	-
DVMRP	-	-	-	-	-	-	-	-	-	-	-	-
802.1p class of service	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security												
MAC freeze/intrusion lock	-	-	-	-	-	-	-	-	-	-	-	-
802.1X authentication	-	-	-	-	-	-	-	-	-	-	-	-
TACACS+/RADIUS	-	-	-	-	-	-	-	-	-	-	-	-
ACL security filter L2/L3/L4	-	-	-	-	-	-	-	-	-	-	-	-
Sflow	-	-	-	-	-	-	-	-	-	-	-	-
CPU protection	-	-	-	-	-	-	-	-	-	-	-	-
Green Features												
Fanless	Yes	Yes	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes
IEEE Energy-Efficient-Ethernet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Others												
MTBF (hr)	631,254	1,000,070	1,297,212	1,206,050	929,704	164,603	75,888	322,400	295,895	295,895	295,895	100,833
Heat dissipation (BTU/hr)	306.9	89.001	28.99	52.86	52.17	255.41	551.06	8.18	13.30	13.30	13.30	50.13
Physical Specifications												
Dimensions (WxDxH) (mm/in.)	210 x 104 x 27/ 8.27 x 4.09 x 1.06	250 x 104 x 27/ 9.84 x 4.10 x 1.06	215 x 133 x 42/ 8.46 x 5.24 x 1.65	441 x 131 x 44/ 17.36 x 5.16 x 1.73	267 x 162 x 42/ 10.51 x 6.38 x 1.65	262 x 184 x 41/ 10.31 x 7.24 x 1.61	262 x 184 x 41/ 10.31 x 7.24 x 1.61	216 x 133 x 42/ 8.50 x 5.24 x 1.65	441 x 131 x 44/ 17.36 x 5.16 x 1.73	267 x 162 x 42/ 10.51 x 6.38 x 1.65	441 x 131 x 44/ 17.36 x 5.16 x 1.73	441 x 131 x 44/ 17.36 x 5.16 x 1.73
Weight (kg/lb.)	0.54/1.19	0.73/1.6	0.92/2.28	1.82/4.01	1.53/3.37	1.4/3.09	1.7/3.75	0.77/1.70	1.35/2.98	1.28/2.82	1.28/2.82	1.5/3.31
Included accessories	• Power cord • Power adapter • Wall mount kit	• Power cord • Power adapter	• Power cord • Wall mount kit • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Wall mount kit • Rack mounting kit	• Power cord • Wall mount kit • Rack mounting kit	• Power cord • Wall mount kit • Rack mounting kit	• Power cord • Wall mount kit • Rack mounting kit	• Power cord • Rack mounting kit	• Power cord • Wall mount kit • Rack mounting kit	• Power cord • Wall mount kit • Rack mounting kit	• Power cord • Wall mount kit • Rack mounting kit



Ethernet over Coaxial Feature Matrix




Product	EOC350-TA	EOC350-TS
		
Specifications		
Network Standard	<ul style="list-style-type: none"> • IEEE 802.3 10M Ethernet • IEEE 802.3u 100M Fast Ethernet • IEEE 802.3ab 1000M Gigabit Ethernet (EOC350-TS) • IEEE 802.3az Energy Efficiency Ethernet (EOC350-TS) 	
Connectors	<ul style="list-style-type: none"> • Ethernet: two RJ-45 connectors • Coaxial: two F-type female coax connectors, one for Ethernet data, the other for TV or antenna 	
Transmission power and spectrum	15 +/- 1 dBm; 12 - 44 MHz; Filter: 54 MHz	
Transmission speed and range	Maximum data rates: 224 Mbps; Up to 65 dB attenuation	
Ethernet interface (MDI/MDI-X Auto Crossover)	10/100 Mbps	10/100/1000 Mbps
Indicators	<ul style="list-style-type: none"> • Power LED • LAN Link/Act LED • EoC Link/Act/Quality LED 	<ul style="list-style-type: none"> • Power LED • EoC Link/Act LED • LAN Link/Act LED • Line Power LED • Quality LED • Diag LED
Others		
MTBF	538,000 (in 50°C/120°F)	203,000 (in 50°C/120°F)
Physical Specifications		
Dimensions (WxDxH)(mm/in.)	130 x 95 x 32/5.12 x 3.74 x 1.26	178 x 136 x 35/7.01 x 5.35 x 1.38
Weight (kg/lb.)	0.16/0.35	0.43/0.95

Accessories

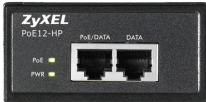
10G Module

Product	EM-412	EM-422
		
Specifications	<ul style="list-style-type: none"> • 2-port CX4 module • Extended 10 GbE CX4 module for short distance deployment 	<ul style="list-style-type: none"> • 2-slot XFP module • Extended 10 GbE XFP module for long distance deployment (Requires purchase of 10 GbE XFP transceivers)

Media Converter

Product	MC1000-SFP-FP	MC100FX-SC30-A	MC100FX-SC2-A
			
Specifications	<ul style="list-style-type: none"> • 1000BASE-T RJ-45 to Gigabit fiber • Fiber protection mechanism • 1 mini-GBIC SFP slot for flexible choice of SFP • Multimode and singlemode supported • Up to 80 km reach (depends on mini-GBIC SFP) • Max. power consumption: 9.6 watt 	<ul style="list-style-type: none"> • 10/100BASE-TX RJ-45 to 100FX singlemode • For use with singlemode fiber, SC connector • Up to 30 km reach • Max. power consumption: 2.4 watt 	<ul style="list-style-type: none"> • 10/100BASE-TX RJ-45 to 100FX multimode • For use with multimode fiber, SC connector • Up to 2 km reach • Max. power consumption: 2.4 watt
Dimensions (WxDxH)(mm/in.)	194 x 129 x 25/7.64 x 5.08 x 0.98	74 x 109 x 23.4/2.91 x 4.29 x 0.92	74 x 109 x 23.4/2.91 x 4.29 x 0.92

PoE Injector and Extender



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



Power Module

Product	RPS300	RPS600-HP
		
Specifications	<ul style="list-style-type: none"> Removable AC power module for GS3700-24, GS3700-48, XGS3700-24, XGS3700-48, XS3700-24 Requires 100 V AC to 240 V AC, 5.0 A power 	<ul style="list-style-type: none"> Removable AC power module for GS3700-24HP, GS3700-48HP, XGS3700-24HP, XGS3700-48HP Requires 100 V AC to 240 V AC, 8.0 A power

Transceiver Series

Direct Attached Cable 10G Series	DAC10G	
	DAC10G-1M	DAC10G-3M
		
Connector	SFP+ to SFP+	SFP+ to SFP+
Max. Transmission Distance (m/ft)	1/3.28	3/9.84
Operational Ranges		
Supply voltage	3.13 - 3.47 V	3.13 - 3.47 V
Max. current	480 mA	480 mA

Transceiver Series

Transceiver Class	10 Gigabit XFP		10 Gigabit SFP+	
	XFP-SR	FTLX1412D3BCL (XFP-LR)	SFP10G-SR	SFP10G-LR



Features	<ul style="list-style-type: none"> • 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 			
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Specifications				
Connector	LC	LC	Duplex LC	Duplex LC
Wavelength	850 nm	1310 nm	850 nm	1310 nm
Max Transmission Distance	300 m	10 km	300 m	10 km
Support DDMI Features	Yes	Yes	Yes	Yes
Optical Fiber Type	Multiple Mode	Single Mode	Multiple Mode	Single Mode

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



Features	<ul style="list-style-type: none"> • Industry standards compliant • SFP MSA (Multi-Source Agreement) compliant • Hot-pluggable with maximum flexibility • Compact size, high port density • Low power dissipation 						
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Specifications							
Connector	RJ-45	LC	LC	LC	LC	LC	LC
Wavelength	-	850 nm	1310 nm	1310 nm (TX) 1490 nm (RX)	1490 nm (TX) 1310 nm (RX)	1310 nm	1550 nm
Max Transmission Distance	100 m	550 m	10 km	10 km	10 km	40 km	80 km
Support DDMI Features	-	Yes	Yes	Yes	Yes	Yes	Yes
Optical Fiber Type	Multiple Mode	Multiple Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode

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

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