

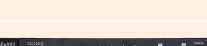
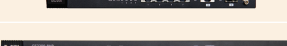
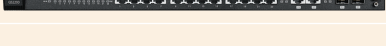


Quick Sales Guide

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	Gigabit Ethernet with 10G Uplink	XGS3700-24	
			XGS3700-24HP	
			XGS3700-48	
			XGS3700-48HP	
		Gigabit Ethernet	GS3700-24	
			GS3700-24HP	
			GS3700-48	
			GS3700-48HP	
	3500 Series	Fast Ethernet	ES3500-8PD	
			ES3500-24	
			ES3500-24HP	
	2210 Series	Gigabit Ethernet	GS2210-48	
			GS2210-48HP	
	2200 Series	Gigabit Ethernet	GS2200-8	
			GS2200-8HP	
			GS2200-24	
			GS2200-24P	
			GS2200-48	

Key Features

Model	Ports	Key Features
XGS-4526	20-port 1000BASE-T 4 x GbE combo ports 1 optional 2-port 10G open slot	• 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 12GbE CX4 ports 1 optional 2-port 10G open slot	
XGS3900-48F	48 x 10GbE SFP+ ports 4 x 40GbE QSFP+ ports	• 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
XGS3700-24	24-port 1000BASE-T 4 x 10G SFP+ slot	• 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
XGS3700-24HP	24-port 1000BASE-T PoE 4 x 10G SFP+ slot	
XGS3700-48	48-port 1000BASE-T 4 x 10G SFP+ slot	
XGS3700-48HP	48-port 1000BASE-T PoE 4 x 10G SFP+ slot	
GS3700-24	24-port 1000BASE-T 4 GbE SFP slot	• Full Layer 2 feature set with Layer 3 features including static routing, policy-based routing, VRRP and ECMP support • Four (4) 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
GS3700-24HP	24-port 1000BASE-T PoE 4 GbE SFP slot	
GS3700-48	48-port 1000BASE-T 4 GbE SFP slot	
GS3700-48HP	48-port 1000BASE-T PoE 4 GbE SFP slot	
ES3500-8PD	8-port 10/100BASE-TX 2 x GbE combo ports	• 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)
ES3500-24	24-port 10/100BASE-TX 4 x GbE combo ports	
ES3500-24HP	24-port 10/100BASE-TX PoE 4 x GbE combo ports	
GS2210-48	44-port 1000BASE-T 2 x GbE SFP ports 4 x GbE combo ports	• 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 • 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
GS2210-48HP	44-port 1000BASE-T PoE 2 x GbE SFP ports 4 x GbE combo ports	
GS2200-8	8-port 1000BASE-T 2 x GbE combo ports	• Port security and enhanced 802.1X port authentication • MAC freeze and intrusion lock • 8 IEEE 802.1p hardware priority queues • WFQ, WRR and SPQ queuing algorithms • MVR and IGMP snooping for IP multicasting optimization • Intelligent PoE management (GS2200-8HP/GS2200-24P) • IEEE 802.3af (GS2200-24P)/IEEE 802.3at (GS2200-8HP)
GS2200-8HP	8-port 1000BASE-T PoE 2 x GbE combo ports	
GS2200-24	24-port 1000BASE-T 4 x GbE combo ports	
GS2200-24P	24-port 1000BASE-T PoE 4 x GbE combo ports	
GS2200-48	44-port 1000BASE-T 2 GbE SFP slot 4 x GbE combo ports	



Fixed-Port Switch Quick Finder

Switch Class	Series	Performance	Model
Web 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
			GS1900-16
			GS1900-24E
			GS1900-24
			GS1900-24HP
			GS1900-48
			GS1900-48HP
Unmanaged	1100 Series	Gigabit Ethernet	GS1100-8HP
			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	• 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)	• 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	• 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/16/24/24E) • Green Ethernet IEEE 802.3az support and intelligent ZyXEL green features • High-power PoE support IEEE 802.3at (GS1900-8HP/24HP/48HP)
GS1900-8HP	8-port 1000BASE-T PoE	
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	
GS1100-16	16-port 1000BASE-T	
GS1100-24	24-port 1000BASE-T 2 GbE SFP open slot	• 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)
GS1100-24E	24-port 1000BASE-T	
ES1100-8P	4-port 10/100BASE-T 4-port 10/100BASE-T PoE	• Non-blocking, wire-speed transmission • Auto MDI/MDI-X support • IEEE 802.3az draft Energy Efficient Ethernet compliant (ES1100-16/24/24E) • Fanless design for silent operations (ES1100-8P/16/24E/24/24G) • IEEE 802.3x flow control supported • IEEE 802.1p CoS supported
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	

Key Features

Model	Ports	Key Features
EOC350-TA	2-port Fast Ethernet	• 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	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)
Hardware							
Total port count	26	28	52	28	28	52	52
100 Mbit RJ-45 ports	-	-	-	-	-	-	-
100 Mbit RJ-45 PoE ports	-	-	-	-	-	-	-
100 Mbit SFP slots	-	-	-	-	-	-	-
1 Gigabit RJ-45 ports	20	-	-	24	-	48	-
1 Gigabit RJ-45 PoE ports	-	-	-	-	24	-	48
1 Gigabit SFP slots	-	-	-	-	-	-	-
Gigabit combo ports (RJ-45/SFP)	4	24	-	-	-	-	-
12 Gigabit CX4 ports	-	2	-	-	-	-	-
10 Gigabit module	1	1	-	-	-	-	-
10 Gigabit SFP+ slots	-	-	48	4	4	4	4
40-Gigabit QSFP+	-	-	4	-	-	-	-
Backplane bandwidth (Gbps)	96	144	1,280	128	128	176	176
Forwarding rate (Mpps)	71.4	100	952.4	95	95	131	131
MAC addresses table	8 K	8 K	128 K	16 K	16 K	16 K	16 K
Management							
IPv6 management	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CLI, Web GUI	Yes	Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes
iStacking (single IP management)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Out-of-band management port	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
VRRP	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
Redundant power support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Quality of Service							
Priority queues	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
Guest VLAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping (v1/v2/v3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MVR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Jumbo frame forwarding	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DVMRP	Yes	Yes	-	-	-	-	-
802.1p class of service	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security							
MAC freeze/intrusion lock	Yes	Yes	Yes	Yes	Yes	Yes	Yes
802.1X authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TACACS+/RADIUS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACL security filter L2/L3/L4	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sflow	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CPU protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Green Features							
Fanless	-	-	-	-	-	-	-
IEEE Energy-Efficient-Ethernet	-	-	-	Yes	Yes	Yes	Yes
Others							
MTBF (hr)	119,814	125,667	156,472	280,000	220,000	250,000	200,000
Heat dissipation (BTU/hr)	289.85	245.52	1024.32	151.75	2046.00	228.13	2046.00
Physical Specifications							
Dimensions	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 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	7.27/16.03	7.55/16.64	7.57/16.69	8.02/17.68

Model	Switch 3700 Series				Switch 3500 Series		
	GS3700-24	GS3700-24HP	GS3700-48	GS3700-48HP	ES3500-24	ES3500-24HP	ES3500-8PD
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
Hardware							
Total port count	28	28	52	52	28	28	10
100 Mbit RJ-45 ports	-	-	-	-	24	-	8
100 Mbit RJ-45 PoE ports	-	-	-	-	-	24	-
100 Mbit SFP slots	-	-	-	-	-	-	-
1 Gigabit RJ-45 ports	24	-	48	-	-	-	-
1 Gigabit RJ-45 PoE ports	-	24	-	48	-	-	-
1 Gigabit SFP slots	4	4	4	4	-	-	-
Gigabit combo ports (RJ-45/SFP)	-	-	-	-	4	4	2
12 Gigabit CX4 ports	-	-	-	-	-	-	-
10 Gigabit module	-	-	-	-	-	-	-
10 Gigabit SFP+ slots	-	-	-	-	-	-	-
40-Gigabit QSFP+	-	-	-	-	-	-	-
Backplane bandwidth (Gbps)	56	56	104	104	12.8	12.8	5.6
Forwarding rate (Mpps)	42	42	77	77	9.6	9.6	4.17
MAC addresses table	16 K	16 K	16 K	16 K	16 K	16 K	16 K
Management							
IPv6 management	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CLI, Web GUI	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes	Yes	Yes
iStacking (single IP management)	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
Redundant power support	Yes	Yes	Yes	Yes	-	-	-
Quality of Service							
Priority queues	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
Guest VLAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IGMP snooping (v1/v2/v3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MVR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Jumbo frame forwarding	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DVMRP	-	-	-	-	-	-	-
802.1p class of service	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security							
MAC freeze/intrusion lock	Yes	Yes	Yes	Yes	Yes/-	Yes	Yes
802.1X authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TACACS+/RADIUS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACL security filter L2/L3/L4	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sflow	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CPU protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Green Features							
Fanless	-	-	-	-	Yes	-	Yes
IEEE Energy-Efficient-Ethernet	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Others							
MTBF (hr)	280,000	220,000	250,000	200,000	133,798	773,887	485,196
Heat dissipation (BTU/hr)	130.94	2046	198.46	2046	48	804.8	32.4
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	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	215.5 x 123 x 42/ 8.48 x 4.84 x 1.65
Weight (kg/lb.)	7.24/15.96	7.44/16.4	7.55/16.64	8/17.64	2.4/5.29	4.3/9.48	1.04/2.29



Model	Switch 2210 Series		Switch 2200 Series				
	GS2210-48	GS2210-48HP	GS2200-8	GS2200-8HP	GS2200-24	GS2200-24P	GS2200-48
Switch Class	Layer 2	Layer 2	Layer 2	Layer 2	Layer 2	Layer 2	Layer 2
Hardware							
Total port count	50	50	10	10	28	28	50
100 Mbit RJ-45 ports	-	-	-	-	-	-	-
100 Mbit RJ-45 PoE ports	-	-	-	-	-	-	-
100 Mbit SFP slots	-	-	-	-	-	-	-
1 Gigabit RJ-45 ports	44	-	8	-	24	-	44
1 Gigabit RJ-45 PoE ports	-	44	-	8	-	24	-
1 Gigabit SFP slots	2	2	-	-	-	-	2
Gigabit combo ports (RJ-45/SFP)	4	4	2	2	4	4	4
12 Gigabit CX4 ports	-	-	-	-	-	-	-
10 Gigabit module	-	-	-	-	-	-	-
10 Gigabit SFP+ slots	-	-	-	-	-	-	-
40-Gigabit QSFP+	-	-	-	-	-	-	-
Backplane bandwidth (Gbps)	100	100	20	20	56	56	100
Forwarding rate (Mpps)	74	74	14.9	14.9	41.7	41.7	74.4
MAC addresses table	16 K	16 K	16 K	16 K	16 K	16 K	8 K
Management							
IPv6 management	Yes	Yes	Yes	Yes	Yes	Yes	-
CLI, Web GUI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
iStacking (single IP management)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Out-of-band management port	-	-	-	-	-	-	Yes
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
Redundant power support	-	-	-	-	-	-	Yes
Quality of Service							
Priority queues	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
Guest VLAN	Yes	Yes	Yes	Yes	Yes	Yes	-
IGMP snooping (v1/v2/v3)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MVR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Jumbo frame forwarding	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DVMRP	-	-	-	-	-	-	-
802.1p class of service	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security							
MAC freeze/intrusion lock	Yes	Yes	Yes	Yes	Yes	Yes	-
802.1X authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TACACS+/RADIUS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACL security filter L2/L3/L4	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sflow	-	-	-	-	-	-	-
CPU protection	Yes	Yes	Yes	Yes	Yes	Yes	-
Green Features							
Fanless	-	-	Yes	-	Yes	-	-
IEEE Energy-Efficient-Ethernet	Yes	Yes	Yes	Yes	-	-	-
Others							
MTBF (hr)	255,580	120,761	399,727	553,307	248,240	257,506	307,007
Heat dissipation (BTU/hr)	136.40	1572.01	41.94	784.3	105.71	913.88	333.50
Physical Specifications							
Dimensions (WxDxH)(mm/in.)	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	250 x 150 x 44/ 9.75 x 5.85 x 1.72	330 x 230.5 x 44/ 12.87 x 8.99 x 1.72	440 x 173 x 44/ 17.32 x 6.81 x 1.73	440 x 310 x 43/ 17.32 x 12.20 x 1.69	438 x 300 x 44.5/ 17.24 x 11.81 x 1.75
Weight (kg/lb.)	3.04/6.7	5.13/11.3	1.34/2.95	2.66/5.86	2.5/5.51	4.8/10.58	4.5/9.92

Model	Switch 1910 Series					
	XGS1910-24	XGS1910-48	GS1910-24	GS1910-24HP	GS1910-48	GS1910-48HP
Switch Class	Web-managed	Web-managed	Web-managed	Web-managed	Web-managed	Web-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	-	-	-	-	-	-
1 Gigabit RJ-45 ports	20	44	20	-	48	-
1 Gigabit RJ-45 PoE ports	-	-	-	20	-	48
1 Gigabit SFP slots	-	-	-	-	4	4
Gigabit combo ports (RJ-45/SFP)	4	4	4	4	-	-
12 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	-	-	-	-	-	-
VRP	-	-	-	-	-	-
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



Model	Switch 1900 Series							
	GS1900-8	GS1900-8HP	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
Hardware								
Total port count	8	8	16	24	26	26	50	50
100 Mbit RJ-45 ports	-	-	-	-	-	-	-	-
100 Mbit RJ-45 PoE ports	-	-	-	-	-	-	-	-
100 Mbit SFP slots	-	-	-	-	-	-	-	-
1 Gigabit RJ-45 ports	8	-	16	24	24	-	48	24
1 Gigabit RJ-45 PoE ports	-	8	-	-	-	24	-	24
1 Gigabit SFP slots	-	-	-	-	2	2	2	2
Gigabit combo ports (RJ-45/SFP)	-	-	-	-	-	-	-	-
12 Gigabit CX4 ports	-	-	-	-	-	-	-	-
10 Gigabit module	-	-	-	-	-	-	-	-
10 Gigabit SFP+ slots	-	-	-	-	-	-	-	-
40-Gigabit QSFP+	-	-	-	-	-	-	-	-
Backplane bandwidth (Gbps)	16	16	32	48	52	52	100	100
Forwarding rate (Mpps)	11.9	11.9	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
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)	-	-	-	-	-	-	-	-
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
Redundant power support	-	-	-	-	-	-	-	-
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
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	-	-	-	-	-	-	-	-
802.1p class of service	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security								
MAC freeze/intrusion lock	-	-	-	-	-	-	-	-
802.1X authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TACACS+/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	Yes	Yes
IEEE Energy-Efficient-Ethernet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Others								
MTBF (hr)	862,561	533,086	843,668	804,714	432,673	318,142	229,313	175,767
Heat dissipation (BTU/hr)	22.17	306.9	37.51	49.79	55	733	126	853
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	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	0.66/1.46	0.97 x 2.13	1.56/3.44	2.09/4.60	4.03/8.88	2.9/6.39	4.24/9.35

Model	Switch 1100 Series									
	GS1100-8HP	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
Hardware										
Total port count	8	16	26	24	8	16	16	24	24	26
100 Mbit RJ-45 ports	-	-	-	-	4	8	16	24	24	24
100 Mbit RJ-45 PoE ports	-	-	-	-	4	8	-	-	-	-
100 Mbit SFP slots	-	-	-	-	-	-	-	-	-	-
1 Gigabit RJ-45 ports	4	16	24	24	-	-	-	-	-	-
1 Gigabit RJ-45 PoE ports	4	-	-	-	-	-	-	-	-	-
1 Gigabit SFP slots	-	-	2	-	-	-	-	-	-	-
Gigabit combo ports (RJ-45/SFP)	-	-	-	-	-	-	-	-	-	2
12 Gigabit CX4 ports	-	-	-	-	-	-	-	-	-	-
10 Gigabit module	-	-	-	-	-	-	-	-	-	-
10 Gigabit SFP+ slots	-	-	-	-	-	-	-	-	-	-
40-Gigabit QSFP+	-	-	-	-	-	-	-	-	-	-
Backplane bandwidth (Gbps)	16	32	52	48	1.6	3.2	3.2	4.8	4.8	8.8
Forwarding rate (Mpps)	11.9	23.8	38.7	35.7	1.2	2.4	2.4	3.6	3.6	6.6
MAC addresses table	8 K	8 K	8 K	8 K	1 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	4	8	8	8	8	8
Data prioritization (SPQ/WRP/WFQ)	-	-	-	-	-	-	-	-	-	-
Guest VLAN	-	-	-	-	-	-	-	-	-	-
IGMP snooping (v1/v2/v3)	-	-	-	-	-	-	-	-	-	-
MVR	-	-	-	-	-	-	-	-	-	-
Jumbo frame forwarding	Yes	Yes	Yes	Yes	-	-	Yes	Yes	Yes	-
DVMRP	-	-	-	-	-	-	-	-	-	-
802.1p class of service	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
IEEE Energy-Efficient-Ethernet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Others										
MTBF (hr)	631,254	1,297,212	1,206,050	929,704	164,603	75,888	322,400	295,895	295,895	100,833
Heat dissipation (BTU/hr)	306.9	28.99	52.86	52.17	255.41	551.06	8.18	13.30	13.30	50.13
Physical Specifications										
Dimensions (WxDxH)(mm/in.)	215 x 133 x 42/ 8.46 x 5.24 x 1.65	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
Weight (kg/lb.)	1.0/2.20	1.0/2.20	2.0/4.41	1.53/3.37	1.4/3.09	1.7/3.75	0.77/1.70	1.35/2.98	1.28/2.82	1.5/3.31



Ethernet over Coaxial Feature Matrix

Product	EOC350-TA	EOC350-TS
		
Specifications		
Network Standard	• 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	• 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	• Power LED • LAN Link/Act LED • EoC Link/Act/Quality LED	• 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	• 2-port CX4 module • Extended 10 GbE CX4 module for short distance deployment	• 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	• 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	• 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	• 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	• 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

FAN Module

Product	FAN500
	
Specifications	Removable fan module for XGS3700/GS3700 series

External PoE Power

Product	PPS250
	
Specifications	- RoHS compliant, green product - Provision of more/external PoE power budget (225 W) - For GS2200-24P only
Dimensions (WxDxH)(mm/in.)	280 x 206 x 44/11.02 x 8.11 x 1.73

Power Module

Product	RPS300	RPS600-HP
 		
Specifications	- Removable AC power module for GS3700-24, GS3700-48, XGS3700-24, XGS3700-48 - Requires 100 V AC to 240 V AC, 5.0 A power	- 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	< 1.5 W	< 1.5 W

Transceiver Series

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



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

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



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

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