

ZYXEL
NETWORKS



Empower Your Connected Devices

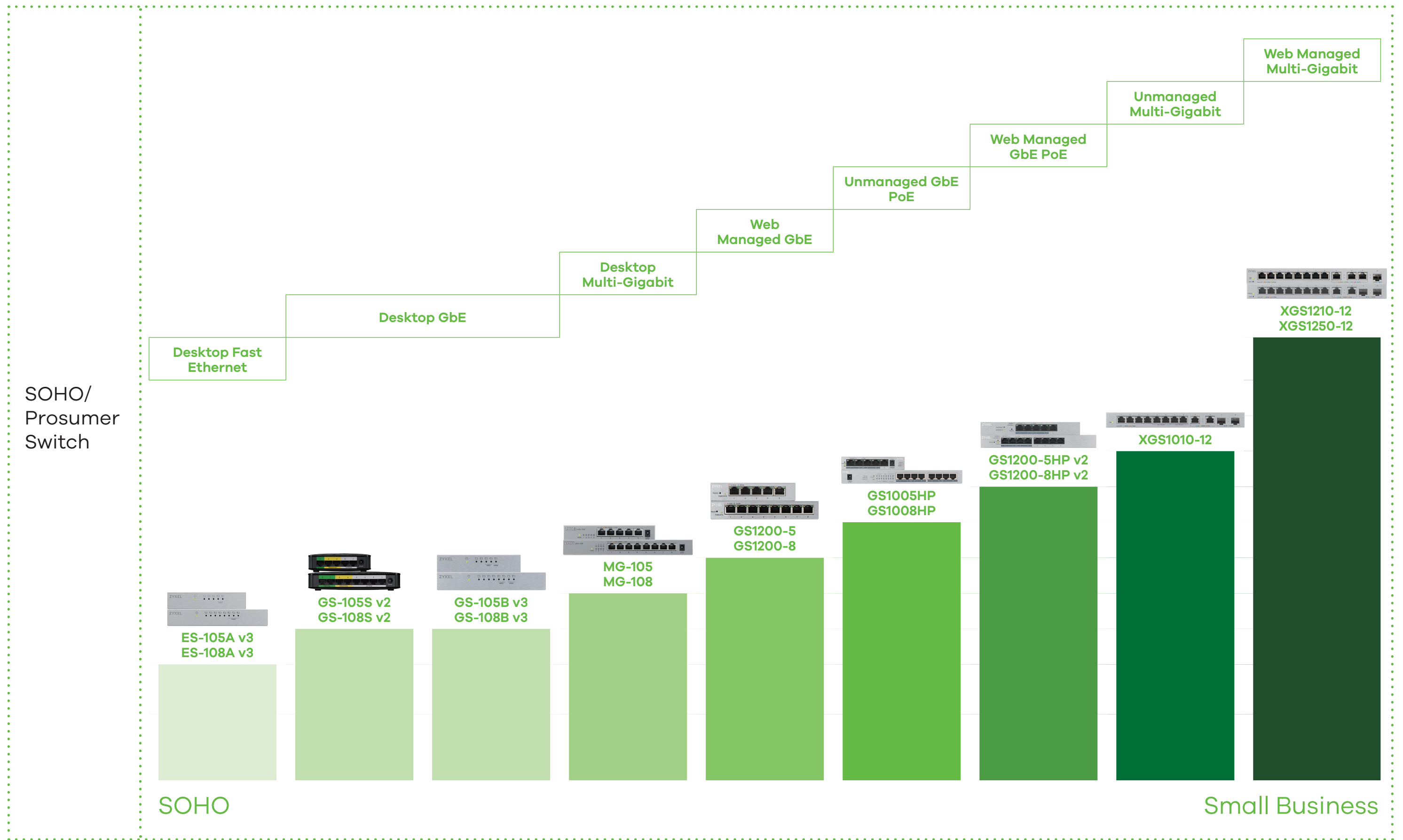
Desktop Switch
Product Guide



Switch for every network

Zyxel offers a full line of high performance and reliable switching solutions to meet all your network needs. The Zyxel switching portfolio includes unmanaged/smart managed, Fast Ethernet, Gigabit PoE and Multi-Gigabit switches with 10G uplinks, all specially engineered for prosumer, SOHO, SMB and SB. The Zyxel switch solutions have mission-oriented design and a complete product portfolio to offer the best-fit solutions for networks of all sizes.

Switching Portfolio Lineup





The perfect mix of flexibility and stability

Enjoy Blazing-fast Networking Speed with Multi-Gigabit

More users need high performance network to run their bandwidth-intensive application such as Ultra HD with HDR media streaming services, iSCSI Gaming, recording large video streams, and many other increasing amount of data files that are stored on NAS for instant access. The Multi-Gigabit RJ-45 ports supports up to 10G to provide more speed options and high performance for your network.

Easy Management with Our Web-Based Setup Wizard

The Zyxel web managed switches come with a user-friendly web-based setup interface that walks you quickly and easily through setup, configuration, and management—including configuration backups and firmware upgrades.

The Power of PoE+

The Zyxel's switches support the IEEE 802.3at standard, providing a maximum of 30 watts per port (with a max total power budget of 60 watts) to supply power to PoE network devices like wireless APs, IP cameras and VoIP phones.

Small business network switches

Exceeding connection speed limits

Expand your wired network with Zyxel's switch series. Our small business switches consume minimal power, allowing you to save costs on your electrical bill. Enhanced for high-performance, fast wired networking and advanced functions, Zyxel switches are an excellent choice for any kind of small office with bandwidth-hungry wired devices.



Virtual LAN for Enhanced Network Security

VLAN (virtual local area network) can be used to separate traffic within a business such as isolating resources between network administrators and general users, between employees, and/or public guest users.



Multicast IGMP Snooping v1/v2/v3 Compatible for Streaming Applications

Based on the Internet Group Management Protocol query and report messages, the switch forwards traffic only to the ports that request the multicast traffic rather than to all ports. This helps optimize multicast performance and is especially useful for bandwidth-intensive IP multicast applications.



SOHO network switches

Expand wired connectivity for SOHO networks

The Zyxel SOHO switch series combines power, style, and simplicity in one box. Give stable, plug-and-play network connectivity to small offices and home offices. The Zyxel SOHO switches provide users power to grow number connected of devices anywhere in the home and workplaces without the hassle.

Combine power and simplicity in one box

Connect Multiple Devices with High Speed and Reliability

The Zyxel SOHO switch provides an easy-to-use, reliable, and affordable network experience for both home and small offices. With the simple plug and play design, you can setup the entire network easily and connect multiple network devices together in just minutes to expand your network as needed.



Fanless, Noiseless Design and Energy-Saving at Work

Extend your network without disrupting your quiet business environment. The Zyxel switch features a fanless design that ensures noiseless operation and greater reliability over time with high quality hardware design. Built-in IEEE 802.3az Energy Efficient Ethernet (EEE) function automatically detects network traffic and reduces power usage during low link utilization periods.



Enhanced Port Based QoS for Better Traffic Control

QoS is the ability to ensure quality network performance by classifying network traffic based on its applications. Voice and video traffic are granted higher priority over data traffic to provide greater user experience for streaming services.








Reliable Switches Fulfilling Different Needs





Zyxel switches are designed to offer a durable connectivity and functionality for different business needs. Switches are equipped with QoS and IGMP snooping to provide users with high performance and additional flexibility for SMB users. Plug and play design, easy to manage, fully advanced features to improve your networking experience, Zyxel offers an extensive portfolio of switches with different link speeds which are excellent for adoption into hospitality and small office.

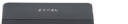
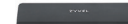

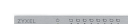


Switches Feature Matrix

Model	XGS1250-12	XGS1210-12	XGS1010-12	GS1200-5HP v2	GS1200-8HP v2
Description	 12-Port Web-Managed Multi-Gigabit Switch includes 3-Port 10G and 1-Port 10G SFP+	 12-Port Web-Managed Multi-Gigabit Switch with 2-Port 2.5G and 2-Port 10G SFP+	 12-Port Unmanaged Multi-Gigabit Switch with 2-Port 2.5G and 2-Port 10G SFP+	 5-Port Web Managed PoE Gigabit Switch	 8-Port Web Managed PoE Gigabit Switch
Case	Metal	Metal	Metal	Metal	Metal
Key Features					
Auto MDI/MDI-X	Yes	Yes	Yes	Yes	Yes
Store and Forward	Yes	Yes	Yes	Yes	Yes
Full Duplex Capability	Yes	Yes	Yes	Yes	Yes
Flow Control	Yes	Yes	Yes	Yes	Yes
Hardware					
10/100/1000 Mbps Ethernet Ports	8	8	8	5	8
100/1000/2500 Mbps Ethernet Ports	-	2	2	-	-
1G/2.5G/5G/10G Ethernet Ports	3	-	-	-	-
10 Gigabit SFP+	1	2	2	-	-
10/100/1000 Mbps Ethernet PoE+ Ports	-	-	-	4	4
Performance					
Switching Capacity	96 Gbps	66 Gbps	66 Gbps	10 Gbps	16 Gbps
MAC Address	16 K	16 K	16 K	2 K	4 K
Memory Buffer	1.5 MB	1.5 MB	1.5 MB	128 KB	192 KB
Jumbo Frames	12 KB	12 KB	12 KB	9 KB	9 KB
System Features					
Web GUI	Yes	Yes	-	Yes	Yes
802.3x Flow Control	Yes	Yes	Yes	Yes	Yes
DHCP Client	Yes	Yes	-	Yes	Yes
802.1Q VLAN	Yes	Yes	-	Yes	Yes
WRR Priority QoS	Yes	Yes	-	Yes	Yes
Port-based QoS	Yes	Yes	Yes	Yes	Yes
802.1p CoS	Yes	Yes	-	Yes	Yes
Broadcast Storm Control	Yes	Yes	-	Yes	Yes
Loop Detection/Prevention	Yes	Yes	-	Yes	Yes
IGMP Snooping v1/v2/and v3 Compatible	Yes	Yes	-	Yes	Yes
Link Aggregation	Yes	Yes	-	Yes	Yes
Port Mirroring	Yes	Yes	-	Yes	Yes
Green Features					
Fanless	-	Yes	Yes	Yes	Yes
Power Saving by Detecting Link Status & Cable Length	Yes	Yes	Yes	Yes	Yes
Dimensions (WxDxH)(mm)					
Packaging/Product	306 x 225 x 64/ 250 x 104 x 27	306 x 225 x 64/ 250 x 104 x 27	306 x 225 x 64/ 250 x 104 x 27	210 x 132 x 78/ 193 x 84 x 26	256 x 132 x 78/ 240 x 105 x 26



Model	GS1200-5	GS1200-8	GS1005HP	GS1008HP
Description	 5-Port Web Managed Gigabit Switch	 8-Port Web Managed Gigabit Switch	 5-Port Gigabit Unmanaged PoE Switch	 8-Port Gigabit Unmanaged PoE Switch
Case	Metal	Metal	Metal	Metal
Key Features				
Auto MDI/MDI-X	Yes	Yes	Yes	Yes
Store and Forward	Yes	Yes	Yes	Yes
Full Duplex Capability	Yes	Yes	Yes	Yes
Flow Control	Yes	Yes	Yes	Yes
Hardware				
10/100 Mbps Ethernet Ports	-	-	-	-
10/100/1000 Mbps Ethernet Ports	5	8	5	8
10/100/1000 Mbps Ethernet PoE+ Ports	-	-	4	8
Performance				
Switching Capacity	10 Gbps	16 Gbps	10 Gbps	16 Gbps
MAC Address	2 K	4 K	2 K	4 K
Memory Buffer	128 KB	192 KB	128 KB	192 KB
Jumbo Frames	9 KB	9 KB	9 KB	9 KB
System Features				
Web GUI	Yes	Yes	-	-
802.3x Flow Control	Yes	Yes	Yes	Yes
DHCP Client	Yes	Yes	-	-
802.1Q VLAN	Yes	Yes	-	-
WRR Priority QoS	Yes	Yes	-	-
Port-based QoS	Yes	Yes	Yes	Yes
802.1p CoS	Yes	Yes	-	-
Broadcast Storm Control	Yes	Yes	-	-
Loop Detection/Prevention	Yes	Yes	-	-
IGMP Snooping v1/v2/and v3 Compatible	Yes	Yes	-	-
Link Aggregation	Yes	Yes	-	-
Port Mirroring	Yes	Yes	-	-
Green Features				
Fanless	Yes	Yes	Yes	Yes
Power Saving by Detecting Link Status & Cable Length	Yes	Yes	Yes	Yes
Dimensions (WxDxH)(mm)				
Packaging/Product	127 x 82 x 95/121 x 75 x 26	161 x 90 x 95/155 x 85 x 26	210 x 132 x 78/121 x 75 x 26	256 x 132 x 78/240 x 105 x 26

Model	MG-105	MG-108	GS-105B v3	GS-108B v3
Description	 5-Port 2.5GbE Unmanaged Switch	 8-Port 2.5GbE Unmanaged Switch	 5-Port Desktop Gigabit Ethernet Switch	 8-Port Desktop Gigabit Ethernet Switch
Case	Metal	Metal	Metal	Metal
Key Features				
Auto MDI/MDI-X	Yes	Yes	Yes	Yes
Store and Forward	Yes	Yes	Yes	Yes
Full Duplex Capability	Yes	Yes	Yes	Yes
Flow Control	Yes	Yes	Yes	Yes
Hardware				
10/100 Mbps Ethernet Ports	-	-	-	-
10/100/1000 Mbps Ethernet Ports	-	-	5	8
100/1000/2500 Mbps Ethernet Ports	5	8	-	-
10/100/1000 Mbps Ethernet PoE+ Ports	-	-	-	-
Performance				
Switching Capacity	25 Gbps	40 Gbps	10 Gbps	16 Gbps
MAC Address	16 K	16 K	2 K	2 K
Memory Buffer	1.5 MB	1.5 MB	128 KB	192 KB
Jumbo Frames	12 KB	12 KB	9 KB	9 KB
System Features				
Web GUI	-	-	-	-
802.3x Flow Control	Yes	Yes	Yes	Yes
DHCP Client	-	-	-	-
802.1Q VLAN	-	-	-	-
WRR Priority QoS	-	-	-	-
Port-based QoS	Yes	Yes	Yes	Yes
802.1p CoS	-	-	-	-
Broadcast Storm Control	-	-	-	-
Loop Detection/Prevention	-	-	-	-
IGMP Snooping v1/v2/and v3 Compatible	-	-	-	-
Link Aggregation	-	-	-	-
Port Mirroring	-	-	-	-
Green Features				
Fanless	Yes	Yes	Yes	Yes
Power Saving by Detecting Link Status & Cable Length	Yes	Yes	Yes	Yes
Dimensions (WxDxH)(mm)				
Packaging/Product	215 x 133 x 79/160 x 110 x 26	256 x 132 x 78/240 x 106 x 26	127 x 82 x 95/121 x 75 x 26	161 x 90 x 95/155 x 85 x 26

Model	GS-105S v2	GS-108S v2	ES-105A v3	ES-108A v3
Description	 5-Port Desktop Gigabit Ethernet Switch	 8-Port Desktop Gigabit Ethernet Switch	 5-Port Desktop Fast Ethernet Switch	 8-Port Desktop Fast Ethernet Switch
Case	Plastic	Plastic	Metal	Metal
Key Features				
Auto MDI/MDI-X	Yes	Yes	Yes	Yes
Store and Forward	Yes	Yes	Yes	Yes
Full Duplex Capability	Yes	Yes	Yes	Yes
Flow Control	Yes	Yes	Yes	Yes
Hardware				
10/100 Mbps Ethernet Ports	-	-	5	8
10/100/1000 Mbps Ethernet Ports	5	8	-	-
10/100/1000 Mbps Ethernet PoE+ Ports	-	-	-	-
Performance				
Switching Capacity	10 Gbps	16 Gbps	1 Gbps	1.6 Gbps
MAC Address	2 K	2 K	1 K	1 K
Memory Buffer	128 KB	192 KB	56 KB	56 KB
Jumbo Frames	9 KB	9 KB	-	-
System Features				
Web GUI	-	-	-	-
802.3x Flow Control	Yes	Yes	Yes	Yes
DHCP Client	-	-	-	-
802.1Q VLAN	-	-	-	-
WRR Priority QoS	-	-	-	-
Port-based QoS	Yes	Yes	Yes	Yes
802.1p CoS	-	-	-	-
Broadcast Storm Control	-	-	-	-
Loop Detection/Prevention	-	-	-	-
IGMP Snooping v1/v2/and v3 Compatible	-	-	-	-
Link Aggregation	-	-	-	-
Port Mirroring	-	-	-	-
Green Features				
Fanless	Yes	Yes	Yes	Yes
Power Saving by Detecting Link Status & Cable Length	Yes	Yes	Yes	Yes
Dimensions (WxDxH)(mm)				
Packaging/Product	103 x 82 x 92/9 x 68 x 29	142 x 83 x 92/138 x 68 x 29	127 x 82 x 95/121 x 75 x 26	161 x 90 x 95/155 x 85 x 26

Accessories

PoE Injector

Product	PoE12-30W	PoE12-60W
	2.5G PoE+ Injector	5G PoE++ Injector
		
Specifications	<ul style="list-style-type: none"> Support speed: 100M/1G/2.5G 2.5G data/PoE+ ports 30 W power budget Complies with IEEE 802.3af PoE, 802.3at PoE+ standards Easy plug-and-play desktop or wall-mounted installation 	<ul style="list-style-type: none"> Support speed: 100M/1G/2.5G/5G 5G data/PoE++ ports 60 W power budget Complies with IEEE 802.3af PoE, 802.3at PoE+, 802.3bt PoE++ 60 W standards Easy plug-and-play desktop or wall-mounted installation
Dimensions (WxDxH)(mm/in.)	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

Network Adapter Series

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

Cable Series

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



Connector	SFP+ to SFP+	SFP+ to SFP+
Max. Transmission Distance (m/ft)	1/3.28	3/9.84
Operational Ranges		
Supply voltage	3.13 - 3.47 V	3.13 - 3.47 V
Max. current (mA)	480	480
Physical Specifications		
Item dimensions (WxDxH)(mm/in.)	14 x 58 x 11/0.55 x 2.30 x 0.43	14 x 58 x 11/0.55 x 2.30 x 0.43
Weight (g/lb.)	85/0.19	164/0.36
Environmental Specifications		
Operating temperature	0°C to 70°C/32°F to 158°F	0°C to 70°C/32°F to 158°F
Storage temperature	-40°C to 85°C/-40°F to 185°F	-40°C to 85°C/-40°F to 185°F

Transceiver Series

Model	Speed	Connector	Wavelength	Max. Distance	DDMI
SFP10G-SR	10 Gigabit	Duplex LC	850 nm	0.3 km (328 yd)	Yes
SFP10G-SR-E	10 Gigabit	Duplex LC	850 nm	0.3 km (328 yd)	Yes
SFP10G-LR	10 Gigabit	Duplex LC	1310 nm	10 km (10936 yd)	Yes
SFP10G-LR-E	10 Gigabit	Duplex LC	1310 nm	10 km (10936 yd)	Yes
SFP-1000T	Gigabit	RJ-45	-	0.1 km (109 yd)	-
SFP-SX-D	Gigabit	Duplex LC	850 nm	0.55 km (601 yd)	Yes
SFP-SX-E	Gigabit	Duplex LC	850 nm	0.55 km (601 yd)	Yes
SFP-LX-10-D	Gigabit	Duplex LC	1310 nm	10 km (10936 yd)	Yes
SFP-LX-10-E	Gigabit	Duplex LC	1310 nm	10 km (10936 yd)	Yes
SFP-LHX1310-40-D	Gigabit	Duplex LC	1310 nm	40 km (43744 yd)	Yes
SFP-ZX-80-D	Gigabit	Duplex LC	1550 nm	80 km (87488 yd)	Yes
SFP-BX1310-10-D	Gigabit	Single LC	1310 nm (Tx) 1490 nm (Tx)	10 km (10936 yd)	Yes
SFP-BX1310-E	Gigabit	Single LC	1310 nm (Tx) 1550 nm (Tx)	20 km (21872 yd)	Yes
SFP-BX1490-10-D	Gigabit	Single LC	1490 nm (Tx) 1310 nm (Tx)	10 km (10936 yd)	Yes
SFP-BX1550-E	Gigabit	Single LC	1550 nm (Tx) 1310 nm (Tx)	20 km (21872 yd)	Yes

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