ZyXEL GS1900-10HP (GS1900-10HP)

8 port GbE Smart Managed PoE Switch with GbE Uplink

ZyXEL

Simple, Fast and Smart Managed Switches for Small Business Connectivity
The ZyXEL GS1900 Series of 8/10/16/24/48-port GbE Smart Managed Switch with Gigabit speed and essential managing functions bring your business network more flexibility and connectivity. The 1900 Series consists of nine (9) models-the GS1900-8, GS1900-8HP, GS1900-10HP, GS1900- 16, GS1900-24E, GS1900-24, GS1900-24HP, GS1900-48 and GS1900-48HP. Providing GbE switches with power-saving functions, fanless design and full IPv6 support ensure your network to be ready for future expansions. In addition, the PoE models GS1900-8HP/10HP/24HP/48HP Gigabit switch complies with the IEEE 802.3at Power over Ethernet (PoE) Plus standard. The complete GS1900 Series has been designed with useful features and advanced performances that empower your networks with speed and security as well as silent operation in your office environments.

Versatility and flexibility for different needs
The complete ZyXEL GS1900 Series has an essential portfolio of 8/10/16/24/48-port compact desktop and rackmount size with GbE connectivity. All models support multiple deployment methods to fulfill the needs for small offices and meeting room environments such as wall-, under table- or desktop-mounting and rackmount options*1. It's now quick and effortless to enjoy the high-speed business network applications without a hitch. Additionally, the GS1900-10HP/24/24HP/48/48HP is equipped with 2 extra SFP slots to provide 100M and GbE speeds for long-distance deployments.

The GS1900-8HP/10HP/24HP/48HP features IEEE 802.3at PoE Plus with up to 30 W powers per port to flexibly extend network deployment, especially for high-power devices such as Wi-Fi APs, IP cams and IP phones. The 802.3at PoE Plus capability makes the switch ideal for connecting numerous powered devices to form a flawless business network.

ZyXEL ONE Network experience
Aiming for relieving our customers from repetitive operations of deploying andmanaging a network, ZyXEL ONE Network is designed to simplify the configuration, management, and troubleshooting, allowing our customers to focus on the business priorities. ZyXEL ONE Network presents an easy-to-use tool, ZyXEL ONE Network Utility (ZON Utility), to realize speed network setup. ZyXEL Smart Connect** allows ZyXEL networking equipment to be aware and recognize each other and further facilitating the network maintenance via one-click remote functions such as factory reset or power cycling. ZyXEL ONE Network redefines the network integration across multiple networking products from switch to Wi-Fi AP and to Gateway.

Main specifications:

Management features
Switch type:	Managed
Switch layer:	L2
MIB support:	RFC 1213, RFC 2819, RFC 1215, RFC 1493
Quality of Service (QoS) support:	Y
System event log:	Y

Ports & interfaces
Basic switching RJ-45 Ethernet ports quantity:	8

Basic switching RJ-45 Ethernet ports type:	Gigabit Ethernet (10/100/1000)
SFP ports quantity:	2
Console port:	RJ-45
Copper ethernet cabling technology:	10BASE-T,100BASE-T,1000BASE-T

Networking
Networking standards:	IEEE 802.1D,IEEE 802.1p,IEEE 802.1s,IEEE 802.1w,IEEE 802.3,IEEE 802.3ab,IEEE 802.3at,IEEE 802.3az,IEEE 802.3u,IEEE 802.3x
IGMP snooping:	Y
10G support:	N

Data transmission
MAC address table:	8000 entries
Switching capacity:	20 Gbit/s
Throughput:	14.88 Mpps
Jumbo frames:	9000

Security
Security algorithms:	802.1x RADIUS,SSL/TLS

Protocols
Management protocols:	SNMP, RMON, ICMP, Syslog

Design
Rack mounting:	Y
Colour of product:	Black
Form factor:	1U
LED indicators:	Y
Wall mountable:	Y
Safety:	LVD EN60950-1, BSMI CNS14336-1, CB IEC60950-1
Certification:	CE, FCC, C-Tick, BSMI CNS13438

Performance
Buffer size:	525 KB
Mean time between failures (MTBF):	801.113 h

Power
Input voltage:	54 V
Power consumption (typical):	96.2 W
Input current:	1.7 A

Power over Ethernet (PoE)
Power over Ethernet (PoE) support:	Y
Power over Ethernet (PoE) ports quantity:	8
Power over Ethernet (PoE) power per port:	77 W

Operational conditions
Operating temperature (T-T):	0 - 50 °C
Storage temperature (T-T):	-40 - 70 °C
Operating relative humidity (H-H):	10 - 95 %
Heat dissipation:	65.472 BTU/h

Weight & dimensions
Width:	250 mm
Depth:	104 mm
Height:	27 mm
Weight:	720 g

Packaging data
Package width:	302 mm
Package depth:	227 mm
Package height:	64 mm
Package weight:	1530 g