

ZyXEL GS1910-24HP 24 port Gigabit Smart Managed PoE Switch



Product Name: ZyXEL GS1910-24HP 24 port Gigabit Smart Managed PoE Switch

Manufacturer: -

Model Number: GS1910-24HP

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The ZyXEL GS1910-24HP is a smart switch with optional 10GbE uplink for maximum throughput to fulfill increasing network demands for Small and Medium Businesses (SMB).

ZyXEL GS1910-24HP Key Benefits

- Smart Layer 2 features enrich access networks
- GbE bandwidth for desktops
- Energy management with IEEE 802.3az and IEEE 802.3at PoE Plus
- Optional 10GbE uplink for flexible data delivery

The GS1910 is ideal for securing 10/100, Gigabit and 10GbE connectivity. The GS1910-24HP also offers IEEE 802.3az, access security, advanced prioritization, traffic-monitoring capabilities and a fanless design. Meanwhile, the Series supports smooth IPv6 migration for future expansions. As a result, the GS1910 is suitable for fulfilling SMB network needs with cost-effective, valuable frameworks.

ZyXEL GS1910-24HP PoE Switch - Technical Specifications

Standard Compliance

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3z 1000BASE-X
- IEEE 802.3x flow control
- IEEE 802.3az EEE support
- IEEE 802.1p CoS support
- IEEE 802.3af/at (PoE models only)
- Full-duplex and half duplex operation with IEEE 802.3x flow control and backpressure
- Store and forward
- N-way auto-negotiation

Traffic Management and QoS

- Port-based VLAN
- MAC-based VLAN
- Protocol-based VLAN
- 802.1Q VLAN tagging
- Guest-VLAN
- Voice VLAN
- Storm Control (Unicast, Broadcast, and Unknown traffic) 802.1p Priority Queues per Port
- 802.1p Queuing method (scheduler)
- Input priority mapping
- QoS control list (QCL mode)
- Queue egress shaper
- Tag remarking
- Rate Limiting, port based (ingress/egress)
- Rate Limiting, per IP/TCP/UDP per port

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- 802.3x flow control
- Policy based Prioritization

Class of Service (CoS)

- 802.1p Class of Service (SPQ, WFQ, SPQ/WFQ combination capable)
- DiffServ (DSCP)
- Policy based CoS

Resilience and availability

- IEEE 802.1D STP/802.1w RSTP/802.1s MSTP
- IEEE 802.1s instances
- IEEE 802.3ad LACP (standalone mode) (GS1910-24/24HP, XGS1910-24: max 32 trunks/ 12 links per trunk; GS1910-48/48HP, XGS1910-48: max 32 trunks/24 links per trunk)
- Loop guard
- Port error Recovery

Security

- 802.1x
- Port Security
- MAC authentication
- MAC address limit
- Layer 2 MAC filtering
- Layer 3 IP filtering
- Layer 4 TCP/UDP socket filtering
- BPDU guard
- Static MAC forwarding
- Multiple RADIUS servers
- Multiple TACACS+ servers
- 802.1x VLAN and QoS assignment by RADIUS
- RADIUS authentication
- TACACS+ authentication
- RADIUS accounting
- RADIUS authorization
- TACACS+ authorization
- SSL
- DHCP snooping
- ARP Inspection
- UPNP
- P/MAC/Port binding (dynamic/static)
- • IP/MAC/Port binding dynamic to static
- Policy-based security filtering
- Port Isolation
- IP Source Guard
- ACL Packet Filtering (IPv4/IPv6)
- ACL for policing/port copy (incl. ACL Wizards)

Layer 2 Multicast

- • IGMP Snooping (v1, v2, v3)
- IGMP Snooping Fast Leave

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- IGMP Snooping Statistics
- IGMP Throttling
- MVR support
- IGMP Filtering
- IGMP proxy mode & snooping mode selection
- IPv6 MLD snooping (v1, v2)

IPV6

- IPv6 management
- IPv6 over Ethernet (RFC 2464)
- Dual Stack (RFC 4213)
- ICMPv6 (RFC 4884)
- Neighbor Discover (RFC4861)
- IPv6 Addressing Architecture (RFC 4291)
- IPv6 MLD snooping
- SNMP/UDP or TCP/IPv6

Discovery

- 802.1AB LLDP
- LLDP-MED

Network Management

- Web-based management
- SNMP v1, v2c, v3
- RMON: four RMON groups 1, 2, 3, 9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring, and analysis
- Dual image
- NTPv4 Client
- DHCP relay
- DHCP client
- DHCP option 82
- Syslog
- Port mirroring & Remote Port mirroring
- DNS client, Proxy
- sflow
- EEE

MIB Information

- RFC 1213 MIB II
- RFC 2819 RMON (Group 1, 2, 3, 9)
- RFC 2863 Interface Group MIB using SMIv2
- RFC 3411 SNMP Management Frameworks
- RFC 3414 User-based Security Model for SNMPv3
- RFC 3415 View-based access Control Model for SNMP
- RFC 3635 Ethernet-like MIB
- RFC 3636 802.3 MAU MIB
- RFC 4133 Entity MIB v3
- RFC 4188 Bridge MIB
- RFC 4668 RADIUS auth. Client MIB

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- RFC 4670 RADIUS Accounting MIB
- RFC 5519 Multicast Group Membership Discovery MIB
- IEEE 802.1Q Bridge MIB
- IEEE 802.1 MSTP MIB
- IEEE 802.3AB LLDP-MIB
- IEEE 802.3ad LACP MIB
- IEEE 802.1X PAE MIB
- TIA 1057 LLDP-MED

Certifications

- Safety: LVD
- EU RoHS compliant
- EMI: FCC, CE, CNS, ICES
- BSMI: CNS14336 & CNS13438

Price: £325.20
