

ZyXEL GS1500-24P 24 port Gigabit Web managed PoE switch

Product Name: ZyXEL GS1500-24P 24 port Gigabit Web managed PoE switch

Manufacturer: -

Model Number: GS1500-24P

Please note that the ZyXEL GS1500-24P 24 port Gigabit Web managed PoE switch has been discontinued. Please see the ZyXEL GS1910-24HP 24 port Gigabit Smart Managed PoE Switch as its recommended replacement.

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Key Features

- 56 Gbps Non-blocking Switching Fabric
- 24 10/100/1000BASE-T PoE Copper Ports with 4 Dual Personality GbE Interfaces
- Intuitive and Streamlined Webbased Management Interface
- IEEE 802.1p with Eight Priority Queues
- WRR, WFQ and SPQ Queuing Algorithms

The ZyXEL Gigabit Switch 1500 Series currently consists of one switch: the ZyXEL GS1500-24P. The Switch 1500 Series with advanced Web-based management support is specially designed for SME networks where large bandwidth, advanced QoS and security features are required. Through the Web GUI interface, users can implement rich network management with ease. The ZyXEL GS1500-24P is a 24-port L2 Gigabit PoE switch providing 24 100/1000 Mbps ports with Layer-2 switching capability at wire speed over the existing CAT-5 cabling to customers' desktop with power budget support (following IEEE 802.3af). In addition, the GS1500-24P offers four extra GbE ports (RJ-45 shared with GbE SFP open slots) capable of adopting GbE SFP transceivers for optional fiber connectivity.

- Robust System Design Fits Any Network
- To cope with diverse requirements of branch offices or SME businesses, the ZyXEL GS1500-24P Switch comes with 24 Gigabit PoE copper ports plus 4 dual-personality (RJ-45/SFP) Gigabit ports to provide a 56 Gbps non-blocking connection for branches or SME networks. This flexible multifunction design fits into any network easily.

Smart Interface for Easy Configuration and Management The ZyXEL GS1500-24P Switch provides stress-free operation for branch offices or SME networks. Through the Web-based interface, switch configurations such as 802.1Q VLAN, 802.1p traffic priority and static port aggregation can be implemented locally or remotely for easy administration; even people who are not IT experts can setup and configure the switch with just a few mouse clicks. The versatility and easy operation can really help enterprises to manage their networks easily.

Freedom of Installation by Power over Ethernet The ZyXEL GS1500-24P supports IEEE 802.3af Power over Ethernet (PoE) to ease installation in challenging spaces such as ceiling or wall mounting. It works with devices such as WLAN AP, VoIP phones and IP surveillance cameras that can be powered by Ethernet connectivity over CAT-5 cables less than 100 meters in length; so there is no need for extra power adapters, and powering the devices installed on the ceiling is no longer a headache. This feature helps enterprises to reduce installation time and cost when many new devices are needed.

Intelligent PoE for Cost Savings

- ZyXEL's Intelligent PoE feature provides two power supply modes:
- Classification Mode—the switch reserves the maximum power (mW) to each powered device (PD) according to the priority levels.
- Consumption Mode—the switch manages the total power supply, so each connected PD gets the actual power it needs.

In the Consumption Mode, ZyXEL's Intelligent PoE provides actual amount of power PDs need. When power consumption of an attached device is detected, ZyXEL's Intelligent

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PoE will reserve the required power automatically. In addition, you can set power feeding priorities on different ports to get the best use of power resource. This capability can increase the number of devices connected and deliver a better ROI for the business.

- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-Tx Ethernet
- IEEE 802.3ab 1000Base-T Ethernet
- IEEE 802.3x flow control
- IEEE 802.1D spanning tree protocol
- IEEE 802.1w rapid spanning tree protocol
- IEEE 802.1p class of service, priority protocols
- IEEE 802.1Q VLAN tagging
- IEEE 802.1x port authentication
- IEEE 802.3ad LACP aggregation

Traffic Management and QoS

- Rate limiting: policy-based/port-based bandwidth control, 16 kbps granularity
- Port-based egress traffic shaping
- Broadcast storm control
- IEEE 802.1p with 8 priority queues per port for different traffic types
- WRR (Weighted Round Robin)/SPQ/WFQ scheduling algorithm
- Congestion control on all ports
- Jumbo frame support (up to 9 KB)

Link Aggregation

- IEEE 802.3ad LACP link aggregation compliant
- Support static manually port trunking
- Up to 6 aggregation groups, 8 ports/per group randomly selected

Resilient NetworkIEEE 802.1w Rapid Spanning Tree Protocol (RSTP)User Security and Authentication

- MAC filtering per port secures access to each port
- IEEE 802.1Q tag-based and port-based VLAN
- 802.1x port-based authentication, compensated assignment over VLAN and bandwidth for valid access

Network Administration Security

- User name/password required for Web
- Two-level security by specific SNMP read/write community

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

Port mirroring

Certifications

- UL 60950-1

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- EN 60950-1
- IEC 60950-1
- EU RoHS compliant

Please Enquire

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