

ZyXEL ES-2108PWR 8-Port Layer 2 Managed 10/100 Ethernet Switch W/ PoE & Gigabit Uplink



Product Name: ZyXEL ES-2108PWR 8-Port Layer 2 Managed 10/100 Ethernet Switch W/ PoE & Gigabit Uplink

Manufacturer: -

Model Number: ES2108PWR

Please Note: The ZyXEL GS-1548 has been discontinued. For an alternative, we highly recommend the Zyxel ES3500-24HP.

Features

- 5.6Gbps Non-Blocking Switching Architecture
- iStacking™ Clustering Technology, One IP Management for 24 Devices
- iManage™ Easy Management Tools (GUI, CLI & Text-based Configuration for Scripting)
- 802.1x Port-based Authentication for Central Management
- Port-based and 802.1Q Tagged VLAN (4K PVID)
- MAC Filtering, MAC Freeze, Intrusion
- Lock and Specific MAC Forwarding

Powerful Compact Design for Small Workgroup Environment The ES-2108 Managed Layer 2 Fast Ethernet Switch Series is designed for small workgroup environment. Thanks to its compact 8-port design and selections of uplink options (1000Base-T, SFP, 100FX), the ES-2108 Series offers functionality and connectivity that best fit small-workgroup needs. In addition, the wallmountable design adds flexibility of deployment. The ES-2108 Series comes in four models: ES-2108, ES-2108-G, ES-2108-LC and ES-2108PWR. All switches come with a non-blocking 5.6 Gbps switching architecture for wire-speed transmission. The ES-2108 has 8 10/100Base-T ports without the uplink interface. The ES-2108-G comes with one dual personality Gigabit uplink port. The ES-2108-LC comes with independent uplink interface of one 100FX port and one SFP slot to ease deployment of fiber connectivity with future-proof hardware. In addition to having all the features in ES-2108-G, ES-2108PWR includes the PoE (Power over Ethernet) to supply power to devices connected to the 8 10/100Base-T ports simultaneously. **Excellent Network Management Capability** The ZyXEL ES-2108 Series includes rich management tools to streamline your management effort. With ZyXEL's exclusive iStacking™ technology, you can manage up to 24 ZyXEL switches through one IP address. In addition, through iManage™ that includes Web-GUI, CLI (Command Line Interface) and text-based configuration, network managers can select the one management interface they are most comfortable with and get the job done efficiently. Moreover, you can protect your management session with SSHv1/v2 authentication and SSL encryption features. With its comprehensive features, ZyXEL's ES-2108 Series is your first choice for cost-effective networking. **Security on the Network Edge** Support of IEEE 802.1x authentication allows centralized user management and added security protection. The ES-2108 Series comes with complete VLAN functions (IEEE 802.1Q VLAN tagging and port-based VLAN) to secure your network. With 4K PVID, you have complete freedom in VLAN management. The ES-2108 Series also includes device-aware security features (MAC address, like MAC filtering, MAC freezing and MAC forwarding) to effectively prevent access of unidentified devices. All these features offer extra protection on the network edge. **Traffic Prioritization for Multi-Services** With 4 priority queues and WRR scheduling mechanism, ZyXEL's ES-2108 Series is able to perform traffic prioritizing for multi-service applications. You can also customize DSCP settings to provide an end-to-end QoS environment. In addition, you can enable IGMP snooping to optimize service quality for IP multicasting applications. For bandwidth management, the ES-2108 Series supports bandwidth increment of 64Kbps to give different bandwidth allocations. **Specifications** **Standard Compliance**

- IEEE 802.3 10Base-T Ethernet

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- IEEE 802.3u 100Base-Tx Ethernet
- IEEE 802.3u 100FX (ES-2108-LC)
- IEEE 802.3ab 1000Base-T Ethernet (ES-2108-G/ES-2108PWR/ES-2108-LC)
- IEEE 802.3z 1000Base-X Ethernet (ES-2108-G/ES-2108PWR/ES-2108-LC)
- IEEE 802.3af Power over Ethernet (ES-2108PWR)
- 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

Performance

- 5.6Gbps non-blocking switching fabric
- Flexible design for Gigabit copper and Gigabit fiber connectivity
- ES-2108 Switching Forwarding Rate 1.2Mpps (148800pps/100Base-TX)
- ES-2108-G/ES-2108PWR Switching Forwarding Rate 2.7Mpps (1488000pps/1000Base-T/1000Base-X, 148800pps/100Base-TX)
- ES-2108-LC Switching Forwarding Rate 2.9Mpps (1488000pps/1000Base-T/1000Base-X, 148800pps/100Base-TX/100FX)
- Wire-speed performance

MAC

- 8K MAC entries Traffic Management and QoS
- IEEE 802.1p with 4 priority queues per port for different types of traffic
- DSCP
- GVRP, automatic VLAN member registration
- IGMP snooping
- Congestion control on all ports
- Broadcast Storm Control
- Rate Limiting

Security and Authentication

- MAC filtering per port secures access to each port
- Specific MAC forwarding per port: only specified MAC addresses can access the network (port lock)
- 802.1x port-based authentication, eventing unauthorized users from accessing the network
- 256 static VLAN, up to 4K dynamic VLAN
- Full range 4K PVID
- MAC Freeze
- Intrusion Lock

Please Enquire
