



## A Robust, Intelligent Layer 2 Ethernet Switch for Small Workgroups

- 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



### 8-port Managed Layer 2 Fast Ethernet Switch

ES-2108  
SERIES

### Benefits

#### 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 wall-mountable 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

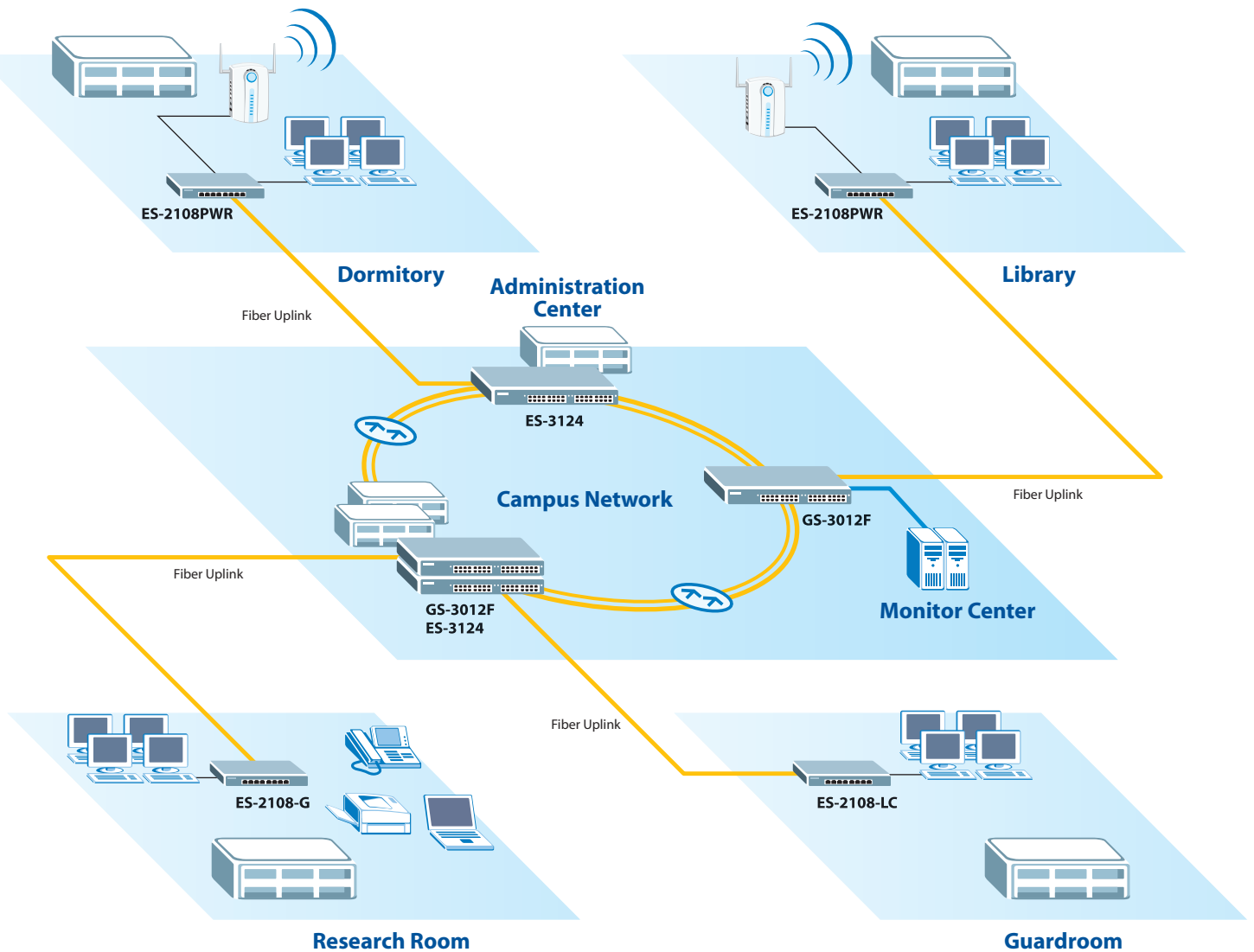
The ZyXEL ES-2108 Series includes rich management tools to streamline your management effort. With ZyXEL's exclusive iStacking™ technology, you can manage up to 24 ZyXEL switches through one IP address. In addition, through iManage™ that includes Web-GUI, CLI (Command Line Interface) and text-based configuration, 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.



## Application Diagram



## Operational Information

### Transceiver (Optional)

Model Name	Optical Receiver Sensitivity	Wavelength	Connector	Transmission Distance vs. Fiber Cable Specification			Operational Ranges	
				62.5um Multi-Mode Fiber	50um Multi-Mode Fiber	9/10um Single-Mode Fiber	Supply Voltage	Max Current
SFP-SX	-17 dBm	850 nm	LC	220 m	550 m	-	3.15 ~ 3.45 V	300 mA
SFP-LX-10	-20 dBm	1310 nm	LC	550 m	550 m	10 km	3.15 ~ 3.45 V	300 mA
SFP-LHX1310-40	-23 dBm	1310 nm	LC	-	-	40 km	3.15 ~ 3.45 V	300 mA
SFP-ZX-80	-24 dBm	1550 nm	LC	-	-	80 km	3.15 ~ 3.45 V	300 mA

For more product information, visit us on the web [www.ZyXEL.com](http://www.ZyXEL.com)

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