



ZyXEL Ethernet Switch Series Feature Matrix

Feature/Model	ES-2008 Series	ES-2024	ES-3024	ES-3124	ES-3124PWR	ES-4024A	GS-2024	GS-3012	GS-3012F	GS-4012F	GS-4024
General Specs											
Layer 3 IP Switching	No	No	No	No	No	Yes	No	No	No	Yes	Yes
Height	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
No. of 100Base-TX	8(All Series)	24	24	24	24	24	No	No	No	No	No
No. of 100Base-FX	1xMM (ES-2008-S0, 1xSM (ES-2008-SC0))	No	2 x expansion slots + 1 x stacking bay	No	No	No	No	No	No	No	No
No. of 1000Base-T	1(ES-2008-GTP)	2	stacking bay	2	2	1 x stacking optional Module	24	12	4(shared)	4(shared)	24
No. of 1000Base-X	2 x SFP slots(shared)	2 x SFP slots(shared)	stacking bay	2 x SFP slots(shared)	2 x SFP slots(shared)	2 x SFP slots(shared)	2 x SFP slots(shared)	4 x SFP slots(shared)	12 x SFP slots	12 x SFP slots	4 x SFP slots(shared)
Switching fabric	8.8Gbps	12.8Gbps	12.8Gbps	12.8Gbps	12.8Gbps	12.8Gbps	48Gbps	24Gbps	24Gbps	24Gbps	48Gbps
Routing Protocol											
RIP						X				X	X
OSPF V2						X				X	X
DVMRP						X				X	X
Availability											
802.1D STP	X	X	X	X	X	X	X	X	X	X	X
802.1w RSTP	X	X	X	X	X	X	X	X	X	X	X
802.1s MSTP		*		*	*			*	*	*	*
VRRP						X				X	X
BPS Support		X	X	X	X	X	X	X	X	X	X
802.3ad Link Aggregation		X	X	X	X	X	X	X	X	X	X
QoS											
802.1P	X	X	X	X	X	X	X	X	X	X	X
No. of CoS Per Port	2	2	4	8	8	4	4	8	8	8	8
Port based Rate Limiting		X	X	X	X	X	X	X	X	X	X
Policy based Rate Limiting		*	X	X	X	X	X	X	X	X	X
Port based traffic shaping		X	X	X	X	X	X	X	X	X	X
Broadcast Storm Control	X	X	X	X	X	X	X	X	X	X	X
IGMP Snooping		X	X	X	X	X	X	X	X	X	X
DiffServ (DSCP)											
Security											
802.1x		X	X	X	X	X	X	X	X	X	X
Port Security	X	X	X	X	X	X	X	X	X	X	X
Static MAC Filtering	X	*	X	X	X	X	X	X	X	X	X
Limited MAC number per Port			X	X	X	X	X	X	X	X	X
IP Filtering				X	X	X	X	X	X	X	X
TCP/UDP Socket Filtering				X	X	X	X	X	X	X	X
SSH v1/v2		*		X	X	X	X	X	X	X	X
SSL/TLS				X	X	X	X	X	X	X	X
Port-Based VLAN	X	X	X	X	X	X	X	X	X	X	X
802.1Q VLAN	256	4k	4k	4k	4k	4k	4k	4k	4k	4k	4k
802.1ad VLAN Stacking				X							
Management											
SNMP	X	X	X	X	X	X	X	X	X	X	X
RMON 1.2-3.9	X	X	X	X	X	X	X	X	X	X	X
Web Management	X	X	X	X	X	X	X	X	X	X	X
Telnet CLI	X	X	X	X	X	X	X	X	X	X	X
iStacking		X	X	X	X	X	X	X	X	X	X
Out-of-band MGMT Port		X	X	X	X	X	X	X	X	X	X
Console Port	X	X	X	X	X	X	X	X	X	X	X
DHCP Server						X	X	X	X	X	X
DHCP Relay			X	X	X	X	X	X	X	X	X
DHCP Client		X	X	X	X	X	X	X	X	X	X
NTP		X	X	X	X	X	X	X	X	X	X
Port Mirroring	X	X	X	X	X	X	X	X	X	X	X
ACL											
Based on MAC address			X	X	X	X	X	X	X	X	X
Based on VLAN				X	X	X	X	X	X	X	X
Based on IP address				X	X	X	X	X	X	X	X
Based on protocol type		X	X	X	X	X	X	X	X	X	X
Based on TCP/UDP port				X	X	X	X	X	X	X	X
Based on DSCP				X	X	X		*	*	*	*

* Firmware upgradeable for future enhancement