

## SKS8300-24E6X-P 30-Ports 2.5G Uplink L3 Managed PoE Switch



- 24 x 2.5Gbps PoE Ports + 6 x 10Gbps SFP+ Ports.
- IEEE 802.3at/af power supply protocols, PoE power supply 400W  
Single port max output 30W.
- Adopts a high-performance, low-power network processor.
- Supports line sleep capability for Green Ethernet, with the lowest power consumption of any device in its class in the industry.
- Supports powerful QoS and ACL functions.
- Supports IP+MAC+port binding and other security features.
- Support service flow classification and message priority marking.
- Supports static packet sampling and SFLOW function.



### Product Specification

Input/Output Interface	
Power supply	AC 100~240V
Ports	24-Ports 2.5Gbps PoE RJ45 Ports 6-Port 10Gbps (SFP+) Port、1-Port Console (With RJ-45)
Performances	
Backplane Bandwidth	240Gbps
Packet Forwarding Rate	160Mpps
Flash memory	32M
MAC Address Table	32K
System memory	512M
Forwarding Mode	Store-and-forward
Dimension	440(L) x 44(H) x 260(W)mm
PoE Power	400W, single port ≤30W
Layer 2 characteristics	
MAC Address Table	Supports manual addition and deletion of MAC address table Support manual configuration of MAC address aging time Support to disable MAC address learning function on port Support port MAC address number control Support port MAC address filtering function
VLAN Characteristics	Supports 4K VLAN 802.1Q. Supports VLAN based on port, MAC and protocol. Supports QinQ
Spanning Tree	Supports STP/RSTP/MSTP Supports remote loop detection
Ports Characteristics	Supports bidirectional bandwidth control Supports static and LACP dynamic aggregation port aggregation Supports multi-port mirroring Support port storm suppression Supports 12K Jumbo ultra-long frame forwarding
Safety features	
User Safety	Supports Anti-ARP-spoofing spoofing protection. Supports Anti-ARP-flooding automatic suppression. Supports one-key binding to automatically create IP+MAC+Port+VLAN binding table. Supports Port Isolation to hardware isolate messages between ports. Supports MAC address binding to ports and port MAC address filtering. Supports IEEE 802.1x and AAA/Radius user authentication.
Equipment Safety	Supports control layer protection against various DOS and virus attacks against the CPU. Supports SSHv2 Secure Shell. Support SNMP v3 encryption management Supports Telnet login and password mechanism for Security IP. Supports the adoption of the maintenance of user-level protection to prevent unauthorised users from illegal intrusion
Network Security	Support ARP traffic detection based on per-user MAC address Supports ARP message suppression or user blocking based on ARP traffic detection. Supports one-key binding based on dynamic ARP table. Supports manual binding of IP addresses, VLAN IDs, MAC addresses and ports. Supports L2-L7 ACL flow filtering. Supports port broadcast/multicast message suppression and automatic shutdown of dangerous ports. Supports DHCP Option82 and PPPoE+ tagging to upload user physical location information.
Business Characteristics	
ACL	Supports standard and extended ACLs Supports Time Range based ACL policy. Provides flow classification and flow definition based on source/destination MAC address, VLAN, 802.1p, ToS, DiffServ, source/destination IP (IPv4/IPv6) address, TCP/UDP port number, protocol type and other IP header information. Supports 80-byte IP header filtering from L2 to L7.
QoS	Supports rate limiting for incoming and outgoing messages on ports or custom streams. Supports message mirroring and message redirection for ports or custom streams. Supports priority marking for ports or custom streams, and provides Remark capability for 802.1P and DSCP priorities. Supports advanced queue scheduling based on ports or custom streams, supports 8 priority queues per port/stream, and provides various queue scheduling algorithms such as SP, WRR, SP+WRR, etc.
Multicast	Support IGMPv1/v2/v3 Snooping Supports IGMP Filter multicast filtering Supports MVR multicast VLAN registration and inter-VLAN multicast replication. Support IGMP Fast leave multicast groups Support IGMP Proxy
Layer 3 characteristics	
ARP	Supports ARP table entry aging Support ARP Proxy Supports IP address conflict identification between downlinked users
IPv4	Supports static IPv4 routes Support Ping, Traceroute, Support VRRP Support OSPF, RIP, PIM, BGP and other protocols
IPv6	Supports static IPv6 routes Support for ICMPv6 Support Neighbor Discover Support RIPng, OSPFv3 and other protocols
Reliability Property	
Loop protections	Supports Enhanced Ethernet Loopback Protocol Supports Loopback-detection port loopback detection
Link protection	Supports FlexLink link backup Support RSTP/MSTP link healing hardware acceleration capability Support LACP dynamic link aggregation
Maintenance features	
Network maintenance	Supports Telnet-based real-time port traffic, utilisation and send/receive packet statistics Supports LLDP neighbour discovery protocol Supports Ethernet OAM 802.3ah EFM and 802.1ag CFM. Supports RMON (Remote Monitoring) 1,2,3,9 MIB groups Support RFC3176 sFlow traffic analysis, you can achieve the protocol or address-based traffic analysis and statistics Supports data logging and RFC 3164 BSD syslog Protocol. Supports Ping and Traceroute
Equipment management	Supports Command Line Interface (CLI), Console port, Telnet, SSH and WEB configuration management Support virtual cable detection (VCT) Support SNMP V1/V2c/V3 management Support SNT protocol Supports user hierarchical permissions Support user RADIUS remote authentication Support user Tacacs+ remote authentication

\* The data and product performance quoted in the above introduction are the performance of the products under specific experimental environments of specific equipment, which may vary based on the actual environment or equipment on site, and the technical comparisons mentioned are all explanations of scientific principles and do not involve other purposes. The third-party product information mentioned above, such as flagship models, carrier bandwidth, etc., are all statistical information from mainstream manufacturers as of the official release date of the product. There may be more than one version of the same model, the product pictures and APP/software interface in the above pages are for illustration only, the physical product (including but not limited to appearance, colour) and APP/software interface (including but not limited to UI, illustrations) may be slightly different, please refer to the physical object. Due to real-time changes in product versions, batches, production and supply factors, in order to provide accurate product information, functional parameters and appearance details as much as possible, XikeStor may adjust the content of the above pages in real time, such as text expressions and picture effects, in order to be consistent with the actual product. Adjustments may be made without prior notice. Due to the measurement environment, measurement methods and other factors, product dimensions, parameters and other information may be subject to certain scientific errors.