



## SKS8300-12E2T2X

## 16-Ports 2.5G/10G Uplink L3 Managed Switch

- 12 x 2.5Gbps RJ45 Ports + 2 x 10Gbps RJ45 Ports
   2 x 10Gbps SFP+ Ports.
- Operational-grade device stability and network resilience
- Sophisticated security mechanisms
- Powerful QoS capability
- Rich service characteristicsRich routing protocols
- Unified network management function







## **Product Specification**

Input/Output Interface	
Power supply	AC 100~240V
Ports	12-Ports 2.5Gbps RJ45, 2-Ports 10Gbps RJ45,2-Ports 10Gbps SFP+,1-Port Console (With RJ-45)
Performances	
Backplane Bandwidth	140Gbps
Packet Forwarding Rate	208Mpps
Flash memory	32M
MAC Address Table	16K
System memory	512M
Forwarding Mode	Store-and-forward
Dimension	250(L) x 44(H) x 210(W)mm
Power Wasted	≤30W
Layer 2 characteristics	
MAC Address Table	Support manual add/remove MAC address table Supports port to disable MAC address learning function 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. Support Access/Trunk/Hybrid 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 IP Source Guard 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	Support SSHv2 Secure Shell Support SNMP v3 encryption management Supports Telnet login and password mechanism for Security IP.
Network Security	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 num protocol type and other IP header information. Supports 80-byte IP header filtering from L2 to L7.
QoS	Supports traffic classification based on COS/DSCP 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 of 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 prior queues per port/stream, and provides various queue scheduling algorithms such as SP, WRR, SP+WRR, etc. Supports traffic supervision based on VLAN direction (in/out). Supports traffic supervision based on the direction of aggregated flows (in/out). Supports queue-based traffic shaping Support port-based traffic shaping Supports SP strict priority scheduling Supports WRR (weighted round robin) scheduling Supports IPv4-v6 QoS (qc)
Multicast	Support IGMPv1/v2/v3 Snooping Supports IGMP Filter multicast filtering Support IGMP Fast leave multicast groups Support IGMP Proxy
	Support Idivir Proxy

Supports static IPv4 routes

Support Ping, Traceroute, Support VRRP

Support Neighbor Discover

Support OSPF, RIP, PIM, BGP and other protocols
Support ICMP redirect、ICMP unreachables

Supports static IPv6 routes
Support for ICMPv6

Support RSTP/MSTP link healing hardware acceleration capability

Supports data logging and RFC 3164 BSD syslog Protocol.

Reliability Property

Loop protections

Supports Enhanced Ethernet Loopback Protocol
Supports Loopback-detection port loopback detection

Link protection

IPv4

IPv6

Supports FlexLink link backup

Support LACP dynamic link aggregation

Maintenance features

laintenance features

Supports Telnet-based real-time port traffic, utilisation and send/receive packet statistics
Supports LLDP neighbour discovery protocol
Network maintenance
Supports Ethernet OAM 802.3ah EFM and 802.1ag CFM.

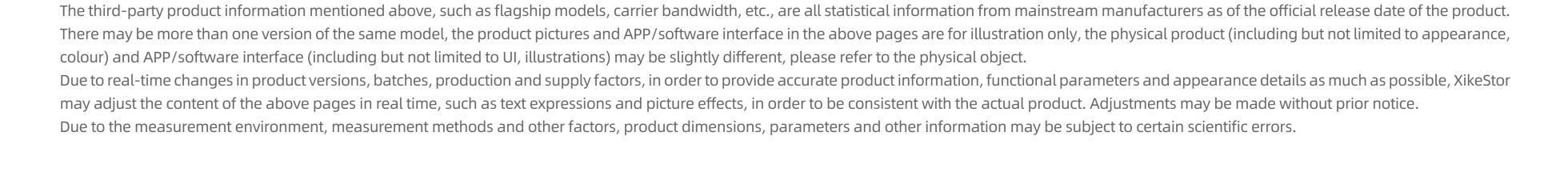
Supports Ping and Traceroute

Supports Command Line Interface (CLI), Console port, Telnet, SSH and WEB configuration management
Support virtual cable detection (VCT)

**Equipment**Support SNMP V1/V2c/V3 management
Support SNTP protocol
Supports user hierarchical permissions

Support user RADIUS remote authentication
Support user Tacacs+ remote authentication

environment or equipment on site, and the technical comparisons mentioned are all explanations of scientific principles and do not involve other purposes.



\* 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

