Overview

VSW6226-EI switch is a high-performance, high-density port and low latency Ethernet switch, this is a data center 10G tor switch for small DC。

Product Characteristics

High performance, full line speed forwarding

- 24 SFP+ ports and 2 QSFP28 port can be provided, L2 / L3 full line speed forwarding.

High reliability

- Support M-LAG (cross chassis link bundling technology), enable link aggregation between multiple devices, and improve link reliability from board level to device level

VXLAN

- support the mainstream Vxlan, and solve the problem that the VLAN number of the traditional data center network is insufficient and the scale is difficult to expand;

Simple maintenance

- Support port local mirror and RSPAN remote mirror, support stream mirror, support multiple mirror monitoring ports, support ERSPAN, and support sFlow v4/v5 and other traffic collection protocols to facilitate the extraction and analysis of network traffic to take corresponding maintenance measures
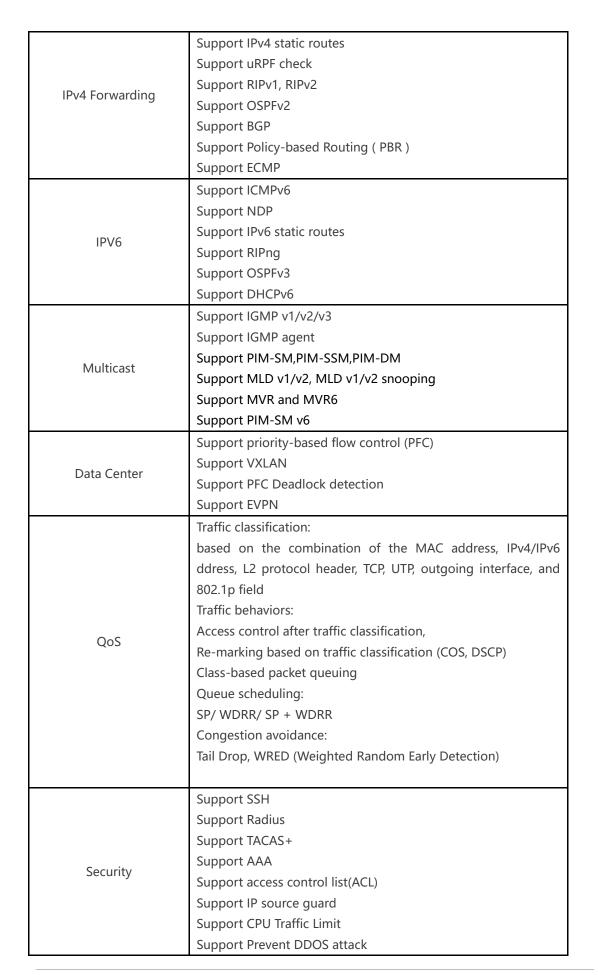
Hardware specification

	VSW6226-EI
Port	24*10G SFP+ and 2*100G QSFP28 port
Hot-swappable Power Supplies	2(1+1) 250W
FAN	4(2+2) **Front-to-Rear**
Dimensions(H×W×D)	440X360X44 mm
Weight（kg）	6.6kg
Input Voltage	100 ~ 240V; 50/60H
Power Consumption	Normal: 80W MAX: 100W
Operating Temperature	0 to 45 ºC
Storage Temperature	-40 to 70 ºC

Software specification

Feature	VSW6226-EI
Ethernet	Support full duplex, half duplex, and auto-negotiation duplex Support auto-negotiation port speed Support Jumbo Frame Support Flow Control Support Storm Control Support Port-block Support Port-isolate
Vlan	Support 4096 VLAN； Support Default VLAN Support VLAN mapping
LAG	Support Static Link aggregation Support LACP Support Static Load Balancing
Reliability	Support STP/RSTP/MSTP Protocol Support port Loopback Detect Support VRRP Support MLAG Support VARP
ARP &DHCP	Support static ARP Support dynamic ARP leaning and aging Support Gratuitous ARP Support basic ARP-Proxy and local ARP-Proxy Support DHCP Server Support DHCP Relay Support DHCP Snooping Support DHCP Client

IPv4 Forwarding	Support IPv4 static routes Support uRPF check Support RIPv1, RIPv2 Support OSPFv2 Support BGP Support Policy-based Routing (PBR) Support ECMP
IPV6	Support ICMPv6 Support NDP Support IPv6 static routes Support RIPng Support OSPFv3 Support DHCPv6
Multicast	Support IGMP v1/v2/v3 Support IGMP agent Support PIM-SM,PIM-SSM,PIM-DM Support MLD v1/v2, MLD v1/v2 snooping Support MVR and MVR6 Support PIM-SM v6
Data Center	Support priority-based flow control (PFC) Support VXLAN Support PFC Deadlock detection Support EVPN
QoS	Traffic classification: based on the combination of the MAC address, IPv4/IPv6 ddress, L2 protocol header, TCP, UTP, outgoing interface, and 802.1p field Traffic behaviors: Access control after traffic classification, Re-marking based on traffic classification (COS, DSCP) Class-based packet queuing Queue scheduling: SP/ WDRR/ SP + WDRR Congestion avoidance: Tail Drop, WRED (Weighted Random Early Detection)
Security	Support SSH Support Radius Support TACAS+ Support AAA Support access control list(ACL) Support IP source guard Support CPU Traffic Limit Support Prevent DDOS attack

	Support ACL filtering Telnet/SSH login Support Link-Flapping detection
Maintenance and Management	support Configurations through CLI (Command Line Interface) support Login through console and Telnet terminals Support Network management based on SNMPv1/v2c/v3 Support Ping、traceroute Support Upload and download files through FTP or TFTP support RMON Management of logs, alarms, and debugging information Detailed debugging information for diagnosing network faults Local Mirror(Port Mirror and VLAN Mirror)