L3 Features

L3 Routing
128 IPV 4 Interface entries
256 IPv4 Static Routing entries
8K IPv4 Dynamic Routing entries
RIP v1, v2
OSPF v1, v2,V3
IGMP v1, v2, v3
Multicast Routing
Static Multicast Route
PIM-DM/SM
ARP Proxy
DHCP Server/Relay
VRRP
BFD

L2 Features

Link Aggregation
static link aggregation
802.3ad LACP
Up to 64 aggregation groups, containing 8 ports per group
Spanning Tree Protocol
802.1D STP
802.1w RSTP
802.1s MSTP
32 MSTP Instance
STP Security: Loop back detection, TC Protect, BPDU Filter/Protect, Root Protect
Loopback Detection
Flow Control
802.3x Flow Control
Port Mirroring
One-to-One
Many-to-One
Flow-Based
Tx/Rx/Both
LLDP, LLDP-MED

L2 Multicast

1024 IGMP groups
IGMP Snooping
IGMP v1/v2/v3 Snooping
IGMP Fast Leave
MVR
IGMP Snooping Querier
Limited IP Multicast
Static Multicast Forwarding
MLD Snooping
MLD v1/v2 Snooping
MLD Snooping Querier
Fast Leave
Limited IP Multicast
Static Multicast Forwarding

VLAN

VLAN Group
4K VLAN Groups
802.1Q tag VLAN
MAC VLAN
Protocol VLAN
Port-based VLANs
Up to 4096 VLAN
VLAN VPN (QinQ)
GVRP
Private VLAN

support Voice VLAN,can configure QoS for voice data
802.1Q VLAN

QoS

Class of Service
Port Priority
802.1p CoS/DSCP priority
8 Priority Queues
Queue Schedule Mode
Bandwidth Control
Port/Flow based Rate Limiting
Storm Control
Diffserv
Diffserv Class
Diffserv Policy
Diffserv Service
Auto-VoIP
Voice VLAN

802.1p port queue priority algorithm
Cos/Tos,QOS sign
WRR (Weighted Round Robin),Weighted priority rotation algorithm
WRR,SP,WFQ,3 priority scheduling models

ACL

VLAN ID
User Priority
EtherType
Standard IP ACL
Source IP
Destination IP
Time based ACL
IP Protocol
TCP Flag
TCP/UDP Port
DSCP/IP TOS

Security

AAA
DHCP Snooping
IP-MAC-Port Binding:Up to 32768 entries
ARP Inspection:Up to 32768 entries
IP Source Guard:Up to 1020 entries
Static/Dynamic Port Security
Up to 64 MAC addresses per port
Broadcast/Multicast/Unicast Storm Control
kbps/ratio/pps control mode
IP/Port/MAC based access control
Defense
802.1X
Port based authentication
MAC(Host) based authentication
Guest VLAN
Support Radius authentication and accountability
Port Isolation
MAC Filtering
Secure web management through HTTPS with SSLv3/TLS1.3
Secure Command Line Interface(CLI) management with SSHv1/SSHv2

User port+ IP Address+ MAC Address
ACL based on IP and MAC
Security properties of port based MAC address quantities

Management

Web-based GUI
Command Line Interface(CLI) through console port, telnet
SNMPv1/v2c/v3
SNMP Trap/Inform
RMON (1,2,3,9 groups)
DHCP Option82
CPU Monitoring
Cable Diagnostics
Access Control
SNTP
System Log
Dual Image
IPv6 Management
PPPoE Circuit ID
HTTP/TFTP File Transfer

MIBs

MIB II (RFC1213)
Interface MIB (RFC2233)
Ethernet Interface MIB (RFC1643)
Bridge MIB (RFC1493)
P/Q-Bridge MIB (RFC2674)
RMON MIB (RFC2819
RMON2 MIB (RFC2021)
Radius Accounting Client MIB (RFC2620)
Radius Authentication Client MIB(RFC2618)
Remote Ping, Traceroute MIB (RFC2925)

Spanning Tree

STP(Spanning tree protocol)
RSTP(Rapid spanning tree protocol)
MSTP(Rapid spanning tree protocol)
EPPS(Ring network protocol)
EAPS(Ring network protocol)
802.1x argumentation agreement

Link Aggregation

Max 8 aggregation groups TRUNK,each supports 8 ports

Port Mirror

Many-to-one port mirroring

Loop Guard

Loop protection function, real-time detection, rapid alarm, accurate positioning,intelligent blocking,automatic recovery

Port Isolation

Support downlink ports isolated from each other and communicate with uplink port

Port Flow Control

Half duplex based back pressure control
Full duplex based on PAUSE frame

Line Rate

Support downlink ports isolated from each other and communicate with upstream port

IGMP Snooping

IGMPv1/2/3 and MLDv1/2
GMRP Protocol Registration
Multicast address management, multicast VLAN,multicast routing ports,static multicast addresses

DHCP

DHCP Snooping

Storm Suppression

Unknown unicast, multicast,unknown multicast,storm suppression of broadcast type
Storm suppression based on bandwidth tuning and storm filtering

Cable Sequence

Auto-MDIX; auto identification of straight-through cables and crossover cables

Negotiation Mode

Port supports automatic negotiation (self-negotiation transmission rate and duplex mode)

System Maintenance

Upgrade package upload
System log view
WEB restore factory configuration

Network Management

WEB NMS
CLI management based on Telnet, TFTIP, Console
SNMP V1/V2/V3;
RMON V1/V2
RMON Management

بدون اطلاع قبلی حق تغییر در شکل ظاهری و ارتقا مشخصات فنی محفوظ می باشد .