


Features:

- **24*10/100/1000Base-TX**
- **4*10G SFP+**

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| Fixed Port | 24*10/100/1000Base-TX 4*10G SFP+ |
| PoE Port | 1-2 port supports PoE IEEE 802.3af/at/poe++/BT 3-24 port supports PoE IEEE 802.3af/at |
| PoE type | IEEE802.3af/at |
| Console Port | 1*console port |
| Reset Key | 1 |
| CPU | 400MHz ARM® Cortex™-A9 |
| DDR | 2G DDR3 1333MHz |
| Buffer | Fully integrated 1.5 MB packet buffer |
| FLASH | 64M |
| RAM | 256M |
| Bandwidth | 256Gbps |
| Packet Forwarding | 92.32Mpps |
| MAC Address | 16K |
| Network Protocol | IEEE 802.3 IEEE 802.3u 100BASE-TX IEEE 802.3ab1000BASE-T IEEE 802.3x IEEE 802.3z 1000BASE-X IEEE 802.3af/at IEEE 802.3ad IEEE 802.3q 、 IEEE 802.3q/p IEEE 802.1w、 IEEE 802.1d 、 IEEE 802.1S STP(Spanning Tree Protocol) RSTP/MSTP(Rapid Spanning Tree Protocol) EPPS ring network protocol EAPS ring network protocol |
| Port Specification | 10/100/1000BaseT (X) Auto |
| Transmission Mode | Store and Forward(full wirespeed) |
| Transmission Distance | 10BASE-T : Cat3,4,5 UTP(≤250 meter) 100BASE-TX : Cat5 or later UTP(≤100 meter) |

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| | 1000BASE-TX : Cat6 or later UTP(≤1000 meter) |
| LED Indicator | PWR:Power LED SYS:(System LED) 1~24:(Link LED=10/100M Link、 1000M=Gigabit Link) 1~24:(PoE LED=PoE on) 25 26: (SFP LED) |
| Power | Built-in power AC 100~240V 50/60HZ MAX Max Current 4.8A Max Power 400W |
| Operating Temperature/Humidity | -20~+55°C; 5%~90% RH Non coagulation |
| Storage Temperature/Humidity | -40~+75°C; 5%~95% RH Non coagulation |
| Physical size | Product size: 440mm*290mm*45mm Packing size: 515mm*375mm*95mm |
| N.W/G.W (kg) | 3.5kg/4.3kg |
| Installation type | 1U Rack type, 19 " |
| Lightning protection level | 3KV 8/20us; IP30 |
| Certificate | CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS; |
| Warranty | Whole device for 1 year(Accessories not included) |

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| Features | L3 Switch |
| Port | |
| Number of Copper Gigabit ports | 24-48 |
| Number of Fiber 10G or 1G ports | 4 |
| Port Shutdown | Support |
| Port Speed | Support autonegiate, full-1000, full-100, half-100, full-10, half-10 |
| Flow Control | support full-duplex IEEE 802.3x, half-duplex back pressure |
| Storm Control | Supports rate limit for broadcast, multicast, and DLF packets |
| Storm Constrain | Support the detection of broadcast packets, multicast packets, or unicast packets on the port, shutdown the port if the rate is over the threshold. |
| Port Mirror | Support |
| Port Rate Limit | Support port ingress and egress rate limit |
| Link Aggregation | Support manual link aggregation Support LACP dynamic link aggregation Supports up to 32 aggregation groups, each group up to 8 ports Support source MAC, destination MAC, source destination MAC, source IP, destination IP, source destination IP routing strategy |
| Port Isolate | Support |

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| Jumbo Frame | Support up to 16KB packet |
| Redundant Port | Support |
| MAC | |
| MAC Table Capacity | 16K |
| MAC Table Management | Support |
| Forwarding mode | Support IVL forwarding mode |
| Static MAC Address | Support |
| MAC Address Binding | Support |
| MAC Address Filtering | Support |
| MAC Learning Control | Control the MAC learning based on port |
| VLAN | |
| Number of VLANs | 4K |
| 802.1q-based VLAN | Support |
| MAC-based VLAN | Support |
| IP-based VLAN | Support |
| Protocol-based VLAN | Support |
| Voice VLAN | Support |
| VLAN Mapping | Support 1:1 mapping |
| QinQ | Support basic QinQ Support flexible QinQ |
| Reliability | |
| Spanning Tree Protocol | Support STP/RSTP/MSTP |
| Port Loop Detection | Support |
| EAPS | Support |
| ERPS | Support G.8032/Y.1344 |
| LLDP | Support LLDP & LLDP-MED |
| UDLD | Fully compatible with CISCO's UDLD protocol |
| VLLP (VRRP Layer-2 Loop Protection) | Support, Only used with VRRP |
| L3 | |
| ARP | Support static and dynamic ARP |
| Static Route | Support |
| VLAN Interface | Support 32 VLAN interfaces |
| RIP | Support RIP v1/v2 |
| OSPF | Support OSPFv2 |
| Policy Route | Support |
| VRRP | Support |
| Multicast | |
| Static Multicast MAC Address | Support |
| IGMP SNOOPING | Support IGMP SNOOPING v1/v2/v3 Support IGMP Querier Support IGMP SNOOPING Filter |
| MVR | Support |
| GMRP | Support |
| ACL | |
| Standard IP-based ACL | Support |
| Extended IP based ACL | Support |
| MAC IP-based ACL | Support |

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| MAC ARP-based ACL | Support |
| ACL Port Filtering | Support |
| Time-based ACL | Support |
| QoS | |
| Port Queue Number | 8 |
| Port Queue Scheduling Mode | Support WRR, RR, WDRR, SP |
| Port-based Classification | Support |
| 802.1p-based Classification | Support |
| DSCP-based Classification | Support |
| ACL-based Classification | Support |
| QoS Policy | Support packets mapping to queue Support COS or DSCP Remarking Support rate limits of data flow Support data flow statistics Support mirroring of data flow |
| DHCP | |
| DHCP Client | Support |
| DHCP Snooping | Support |
| DHCP Relay | Support |
| DHCP Server | Support |
| DHCP option 82 | Support |
| Management | |
| CLI Management | Support Console, Telnet and SSH |
| WEB Management | Support HTTP and HTTPS |
| SNMP Management | Support SNMP v1, v2c Support SNMP TRAP Support lots of standard and private MIBs |
| User Management | Support multiple user management |
| Log Management | Support local log management Support SYSLOG |
| RMON | Support RMON 1, 2, 3 and 9 groups |
| Cluster Management | Support NDP Support NTDP Support manual and automatic joining of cluster groups Support cluster unified management |
| Configuration File | Support uploading and downloading configuration file |
| Upgrade software | Support |
| Clock Management | Support local clock management Support SNTP |
| Security | |
| Switch Management Security | Support enabling and disabling TELNET, WEB and SNMP services Support TELNET, WEB and SNMP services to bind to standard IP ACLs Support for limiting the number of TELNET connections |
| CPU Protection | The switch's own security protection prevents large data streams |

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| | from attacking the switch itself. |
| AAA | Support 802.1x Support RADIUS Supports authentication, authorization, and accounting through RADIUS server Support port-based and MAC-based 802.1x Support 802.1x guest VLAN |
| IP MAC Binding | Support static configuration of IP, MAC and port binding |
| DHCP SNOOPING | Support dynamic ARP binding to prevent ARP spoofing Support dynamic IP, MAC and port binding Support fixed port to connect to DHCP server to prevent private connection to DHCP server |
| Prevent ARP Spoofing | Support manually configuring MAC ARP-based ACL rules to prevent ARP spoofing. Support the DHCP SNOOPING function. During the process of obtaining an IP address by DHCP, the switch dynamically binds ARP to the port to prevent ARP spoofing. |
| POE | |
| Switch Control | Support POE powering of ports on and off |
| Power Control | Support setting total power |
| Other Advanced Features | Support POE scheduling policy and PD online query, etc. |
| Debugging | |
| PING | Support |
| TRACEROUTE | Support |
| TELNET Client | Support |