RS1024K-6L-24S-10G-M

L2/3 MANAGED SWITCH



Product Overview

L2 optical convergence managed switch with 6 Gigabit RJ45 ports, 24*1000Mbps SFP fiber slots and 4*10G scalable uplink ports. 128Gbps switching bandwidth, 95.23Mpps forwarding rate. 32K MAC address table with RPS hot backup power. Ideal for FTTB optical access convergence.

Product Highlights

- 6 Gigabit RJ45 Ports: 10/100/1000Mbps copper ports for local copper access.
- 24*1G SFP Fiber Slots: 1000Mbps SFP ports for optical fiber convergence.
- 4*10G Scalable Uplink: 10G SFP slots for high-speed uplink to core network.
- 128Gbps Bandwidth: Non-blocking with 95.23Mpps forwarding and 32K MAC.
- RPS Hot Backup: Redundant power supply support for high availability.

Product name	6GE 24SFP 4 10G SFP Optical Convergence Managed Switch
Model	RS1024K-6L-24S-10G-M
Fixed port	6*10/100/1000Mbps RJ45 multiplexed ports 24*1000Mbps QSFP 4*10G scalable ports
Bandwidth	128Gbps
Packet Forwarding	95.232Mpps
Processor	RISC 600MHz
FLASH	8MB
RAM	64MB， MAX512MB
MAC Address	32K
Queue buffer	64MB

Support protocol standards	IEEE 802.1AB-2005, LLDP protocol; IEEE 802.1d, Spanning Tree Protocol; IEEE 802.1w, Fast Spanning Tree Protocol; IEEE 802.1s, Multiple Spanning Tree Protocol; IEEE 802.1q, VLAN standard; IEEE 802.3ad, Link Aggregation Protocol; IEEE802.3u, fast Ethernet standard; IEEE802.3z and IEEE802.3ab, Gigabit Ethernet standard; IEEE802.3ae, 10G Ethernet standard; IEEE 802.3x, full duplex Ethernet data link layer flow control; IEEE 802.1p, QoS/QoS;
Forwarding mode	Store and forward
Spanning tree	Support STP, RSTP, MSTP
VLAN	Supports up to 4096 VLANs;Support port based VLAN;Support 802.1Q tag VLAN
flow control	IEEE 802.3x standard based flow control;Support CAR function
Broadcast control	Suppress broadcast storm and stop sending when reaching critical point
IGMP Snooping	IGMP Snooping Multicast Message Automatic Monitoring
Link aggregation	Maximum 8 per group, supporting 128 groups at the same time Dynamic LACP or 32 groups of static aggregation
Ring network protection	Supporting ring network
Precise docking	10GbE ports support switch/server mode, accurately match switches/servers, and have higher forwarding performance
Port Mirror	Support port mirroring (one to many)
Stacking	16 soft stacks, cluster technology, unified IP address for centralized management, saving address resources
Security features	IEEE 802.1x port authentication The hardware supports IP ACL, MAC ACL, Vlan ACL Hardware supports port based user IP+MAC+Vlan ID+user account combination binding The software supports MAC binding Support IP Source Guard Support WEB interface user authentication Anti ARP attack and virus Support port isolation Support loop protection
Service quality	IEEE 802.1Qau Congestion Mechanism 8 send queues per port map to 8 priorities of 802.1p WRED, WFQ, SP and FIFO queue scheduling algorithms Best Effort Service Differentiated Service Strict Priority Weighted Round Robin First come first served algorithm

Network management	SNMP v1/v2;WEB interface;Support cluster management;Support Chinese English conversion;Support command line management
Remote upgrade	Support version upgrade via web;Support local version upgrade
External dimensions	442*285*44mm
Power supply characteristics	AC 110-240V, 47-63Hz, 1A/230V, RPS power supply hot backup
power	Max. 80W
Indicator light	Power indication, system indication, connection/transceiver indication
Ambient temperature/humidity	0-50 ℃ operation, - 40-70 ℃ storage, 0-90% non condensing