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SW43-54R-2PS-1D-2SF-2Y



Product Features

- Intelligent stacking technology

SW43-54R-2PS-1D-2SF-2Y switch is equipped with Maipu VST stacking function that allows a minimum of two devices to be stacked into one logical device the 10G SFP+ ports. VST (Virtual Switching Technology) stacking combines multiple switches to form a logical virtual switch, improving device and link reliability, network expansion, and simplifying configuration and management.

- High availability

SW43-54R-2PS-1D-2SF-2Y switch offers advanced redundancy and reliability features, catering to diverse networking requirements. In addition to support traditional spanning tree protocols such as STP, RSTP, and MSTP, the switch also complies with the ITU-T G.8032 international standard. This Ethernet Ring Protection Switching (ERPS) protocol enables rapid 50ms failover within Ethernet ring network topologies, ensuring seamless connectivity and minimal downtime.

Furthermore, SW43-54R-2PS-1D-2SF-2Y switch incorporates the Virtual Router Redundancy Protocol (VRRP), facilitating uplink backup capabilities. By connecting to multiple aggregation switches via multiple links, the switch significantly enhances access device reliability, promoting network stability and resilience.

- Perfect security policy

SW43-54R-2PS-1D-2SF-2Y switch offers a comprehensive suite of security features, including user authentication, port security, ACLs, loopback detection, and 802.1X authentication. It also incorporates IP Source Guard, DHCP/ND Snooping, Host Guard, Dynamic ARP Inspection, and PPPoE+ security mechanisms. These robust security functions ensure user access and network protection.

Additionally, the switch supports MAC+IP+VLAN binding, 802.1X authentication, and countermeasures against network storm, DOS/DDOS, ARP, and protocol packet attacks. This makes the switch ideal for large-scale, multi-service, and complex-traffic networks.

- Advanced QoS

SW43-54R-2PS-1D-2SF-2Y switch offers sophisticated QoS capabilities for optimal network performance. Supporting eight queues per port and advanced scheduling algorithms such as SP, RR, WRR, and WDRR, the switch effectively manages traffic prioritization and resource allocation.

The switch accommodates diverse priority mapping techniques, including 802.1p, CoS, and DSCP, enabling fine-grained control over traffic classification and prioritization. With granular port traffic rate limiting and time-based controls, network administrators can regulate bandwidth usage as needed.

- IPv4&IPv6 Dual-stack ability

SW43-54R-2PS-1D-2SF-2Y switch is built on an IPv4/IPv6 dual-stack platform, delivering hardware-based, wire-speed forwarding for both IPv4 and IPv6 traffic. The switch supports IPv4/IPv6 Layer 3 routing protocols, including RIPv4, OSPFv3, BGP4+, and IS-IS for IPv6. These IPv6 capabilities enable seamless



Product Specifications

Hardware specifications

Physical ports	24*100/1000M Base-T interfaces, 4*10G SFP+ interfaces, PoE Enable, One Extension Slot, Dual Power Slots.
Management interface	One Console port, one USB interface
Switching capability (bps)	168Gbps
Power	Input voltage (AC): 100V ~ 240V, 50Hz ~ 60Hz
Temperature	Work temperature: -5°C to 50°C Storage temperature: -40°C to 70°C
Humidity	Work humidity: 10% to 90%, no-condensing Storage humidity: 5% to 95%, no-condensing
Dimension (W×D×H)	442mm×420mm×44.2mm

Open



Order Information

Product model	Description
Access switch	24*100/1000M Base-T interfaces, 4*10G SFP+ interfaces, PoE Enable, One Extension Slot, Dual Power Slots
Power module	AC PoE Power Supply Module, 500W, AC input 100-240V x2
DAC stacking cable	SFP+ DAC stacking cable, SFP+ to SFP+,10Gbps 1.5 meters length x1
Optical module	10G SFP+ 1310nm 10-20km LC DDM Single-mode x4
Support	Next-business-day parts' delivery, remote support 24 hours a day, 7 days a week, for 2 Years

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