



## ■ Overview

RS-ES-250 Series switch supports fixed 8/24 port 10/100/1000M Base-T interfaces and 2/4 port 1G SFP uplink interfaces POE/POE+ models.

The RS-ES-250-28PS provides 24\*10/100/1000Mbps RJ45 ports, 2-port 1000Mbps Combo ports and 2-port 1000Mbps SFP slots. 1-24 copper ports support 802.3af/at Standard, with a total PoE power supply up to 370W, powerful and flexible enough for users to deploy wireless access points or IP-based network surveillance cameras.

The RS-ES-250-10PS provides 8\*10/100/1000Mbps RJ45 ports and 2-port 1000Mbps SFP slots. 1-8 copper ports support 802.3af/at Standard, with a total PoE power supply up to 140W, powerful and flexible enough for users to deploy wireless access points or IP-based network surveillance cameras.

The switch also comes equipped with 2 SFP slots, expanding your network flexibly. In addition, it provides high performance, enterprise-level QoS, advanced security strategies and rich layer 2 management features. With all these advanced features, the PoE Switch is an ideal choice for small and medium business networking.

The RS-ES-250 series switch offers advanced redundancy and reliability features, catering to diverse networking requirements. In addition to supporting 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 failover within Ethernet ring network topologies, ensuring seamless connectivity and minimal downtime.

Models	RS-ES-250-28PS	RS-ES-250-10PS
Hardware Specification		
Physical Traffic Port	24*10/100/1000Mbps RJ45 Ports 2*1000Mbps Combo Ports 2*1000Mbps SFP Slots	8*10/100/1000M Base-T interfaces 2*1G SFP interfaces
Switching Capability	56Gbps	20Gbps
Management Port	1* RJ45 Console Port	
Fixed Power Supply	One	
Max PoE Power Consumption	370W	140W
PoE Standard	IEEE 802.af/at	IEEE 802.af/at
Power Consumption (Without PoE)	≤20W	≤10W
Dimension (W×D×H)mm	440×208×44.2	280×180×44.2
Input Voltage	AC:100—240V/50-60Hz	
Temperature	Work Temperature: -5 C° to 50 C° Storage Temperature: -40 C° to 70 C°	
Humidity	Work Humidity:10% ~ 90%, non-condensing Storage Humidity:5% ~ 95%, non-condensing	
Anti-Lightning	4KV	
Anti-Static	4KV	
Software Specification		
Interface	Basic Port Configuration	Auto MDI/MDIX, Port Speed, Port Duplex, Port MTU(Jumbo Frame), Port-isolation
	MAC Address Management	MAC Address Aging Time, MAC Address Learning ON OFF, MAC Address Learning Limitation, Static MAC Address, MAC Address Filter
	Storm Control	Storm-control for BUM, Shutdown-control for BUM
VLAN	VLAN Management	VLAN, VLAN PVID, VLAN Trunk, VLAN Hybrid, VLAN Interface, MAC VLAN, Protocol VLAN, IP Subnet VLAN, Voice VLAN, Private VLAN, GVRP, Basic QinQ, Selective QinQ, 802.1ad, VLAN Mapping
Ring Protection	Spanning Tree Protocols	STP/RSTP/MSTP, BPDWU Guard, BPDU Filter, Flap Guard, Loop Guard, Root Guard, TC Guard, BPDU L2 Protocol Tunnel
	Other Ring Protocols	G.8032(ERPS)
Link Aggregation	LACP Configuration	LACP Link Aggregation, LACP Port Priority, LACP Load Balance
Error Handling	Error-disable Configuration	Error-disable Based on BPDU-guard   Loopback-detect   Port Security, Error-disable Recovery

Fault Detection	Detection Features	UDLD, Loop-back Detection, CFM, Monitor Link(MTLK)
IP Services	IP Protocol	ARP, DNS Client, SNTP Client, ICMP, IPv6, IPv6 ND/SLAAC
	Routing Protocol	Static Routing v4/v6 for Management
	DHCP Service	DHCP Relay/Client, DHCP Snooping, DHCP Snooping Option82
Multicast Protocols	L2 Multicast Protocols	IGMPv1/v2/v3 Snooping, Fast Leave, IGMP Snooping Querier, IGMP Filter, Static Group, MLD Snooping, MVR
QoS	Flow Classification	802.1P Priority, DSCP Priority, VLAN ID, MAC Prefix, IP Subnet, Protocol, IP Precedence, IPv6 Traffic Class, Ethernet Type
	Rate Limit	Rate Limit, Port-based Bandwidth
	Scheduling Algorithm	Port-based Priority, SP, WRR, WFQ, SP+WRR, SP+WFQ
Security	Port Security	Rule Based On IP/MAC/MAX/Sticky, Violation(Protect/Restrict/Shutdown), Recovery
	Access Control ListW	Standard IP ACL, Extended IP ACL, Standard MAC ACL, Extended MAC ACL, Standard Hybrid ACL, Extended Hybrid ACL, Standard IPv6 ACL, Extended IPv6 ACL, Time-based ACL
	AAA	Local Authentication, Radius(Authentication, User Login Authorization, User Login Accounting), TACACS+(Authentication, User Login Authorization, Command Authorization, User Login Accounting, Command Accounting)
	802.1X	Port-based 802.1X, MAC-based 802.1X, MAC-Authentication, Guest-VLAN, VLAN Distribution (Auto-VLAN), ACL Distribution
Configuration and Maintenance	Monitoring and Diagnostics	1:1 SPAN, N:1 SPAN, RSPAN, Flow-based Mirror, Ping, Tracert, DDM, VCT
	Device Management	SNMP v1/v2/v3, SNMP Trap, RMON, SYSLOG (Logging to Terminal/Logging to Server/CLI Operation to Server), LLDP, WEB(HTTP), Console, Telnet, SSH, System Upgrade (TFTP/FTP/SFTP/WEB), Configuration Management (Backup/Restore), Factory Reset, Password Reset
	Zero Touch Provisioning	ZTP Through DHCP Server

Model	Description
<b>Order Information</b>	
RS-ES-250-28PS	24-Port Gigabit, 2-Port Combo SFP/RJ45 Managed PoE Switch(24-Port PoE, support IEEE802.3af/at Standard)
RS-ES-250-10PS	8-port 10/100/1000M Base-T POE/POE+ + 2*1G SFP (8-Port PoE, support IEEE802.3af/at Standard)

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