



■ Overview

RS-ES-750-32XQS supports fixed 32*40/100G QSFP28 optical interfaces, six modular fan slots, dual-modular power.

RS-ES-750-32XQS is a new generation Full 100G Ethernet switch designed for enterprise data center and campus LAN networks, providing high-throughput, high-density 40/100GE interfaces, larger buffer and lower latency. The RS-ES-750-32XQS adopts advanced hardware architecture with 32*40/100GE ports. RS-ES-750-32XQS provides rich data center service features and management capability.

RS-ES-750-32XQS realize large buffer of the interfaces, meeting the burst flow forwarding without packet loss; provide the M-LAG technology for virtualization scenarios; provide the modular power and fan design for high reliability. The key components adopt “overvoltage” designs to ensure that the product has the strong ability of continuous operation.

RS-ES-750-32XQS can work to build a complete, scalable, virtualized fabric network that meets the data center requirements. Meanwhile, RS-ES-750-32XQS can also be deployed as aggregation or core switches for enterprise campus LAN networks.

RS-ES-750-32XQS supports 32*40/100G QSFP28 optical interfaces, six modular fan slots and dual modular power slots.

RS-ES-750-32XQS can work with the industry’s mainstream virtualization platforms and acts a hardware gateway on a VxLAN overlay network. Virtual extensible LANs (VxLAN), a common network virtualization overlay protocol that expands the layer 2 network address space from 4,000 to 16 million. RS-ES-750-32XQS support BGP-EVPN, which is used as the overlay control plane and provides virtual connectivity between different layer 2/3 domains over an IP network.

Models	RS-ES-750-32XQS
Hardware Specification	
Physical Ports	32*40/100G QSFP28 optical interfaces, six modular fan slots, dual-modular power.
Management Interface	One Console port, one management Ethernet port, one USB interface
Switching Capacity	6.4Tbps
Flash	8G
Memory	4G(Default)
Interface Buffer Size	36M
Jumbo Frame	12K
VLAN Entry	4K
MAC Address Entry	224K/720K
ARP Entry	56K/129K
IPv4 Routing Entry	294K/660K
MSTP Instance	64
VRF Entry	4K/8K
VRRP Group	255
Max. ECMP Path	128
IGMP Group	8K
VxLAN VTEP Instance	8K
Redundant Design	Support power redundancy, 1+ 1 backup mode
Power Supply	Two Power Slots Input voltage (AC): 100V ~ 240V, 50Hz ~ 60Hz
Temperature	Work temperature: 0 °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
Power Consumption	318W
Dimension(W×D×H)	442mm×480mm×44.2mm

Software Features		
Standard L2 Protocol	Interface	Port Type UNI/NNI, Port Speed, Port MTU, Port Loopback, Loopback interface, Tunnel interface, Null interface, VXLAN interface
	Ethernet Switching	LACP Link aggregation, LACP Port Priority, LACP Load Balance, LACP Rate Monitor, LACP Debug, Port isolation, QinQ, VLAN mapping, Super VLAN, PVLAN, Voice VLAN, STP, RSTP, MSTP, Loopback-detection, Error-disable, VIST/VISR+, GVRP, MLAG, MLAG Lite, VLAN isolation
Standard L3 Protocol	IP Protocol	ARP, DHCP, DHCPv6, DHCP Server, DHCPv6 Server, DHCPv6 client, DHCP Relay, DHCPv6 Relay, DHCP Option82, DNS, GRE, IPIP, IPv6 over IPv4, ISATAP, IPv4 over IPv6, IPv6 over IPv6
	Routing Protocol	Static route for IPv4&IPv6, RIPv1/v2, RIPv6, OSPFv2, OSPFv3, IS-IS, IS-ISv6, BGP, BGPv6, Policy Route, MP-BGP
Multicast	L2 Multicast	IGMP Snooping, IGMP Snooping over VxLAN, multicast VLAN (MVR, MVP), MLD Snooping, Router-alert Option
	L3 Multicast	IGMPv1/v2/v3, MLDv1/v2, PIM-SM, PIM-DM, PIM-SSM, IPv6 PIM-SM, IPv6 PIM-SSM, MSDP, IGMP Group Filter, MLD Group Filter
QoS & ACL	QoS	802.1p, DSCP, Priority Mapping, SP, WRR, WDRR, SP+WRR, SP+WDRR, WRED, Flow classification, Traffic monitoring, Traffic shaping, Congestion management, Congestion avoidance, Flow-based mirroring
	ACL	Standard IP ACL, extended IP ACL, standard MAC ACL, extended MAC ACL, extended Hybrid ACL, Standard IPv6 ACL, extended IPv6 ACL
Data Center Feature	Basic Feature	TRILL, VXLAN, ESI Multi-Homing, BGP-EVPN, NLB, OpenFlow
	RoCEv2	ECN, ETS, PFC, iNOF, DCBX
MPLS L2/L3 VPN	L3 MPLS VPN	MPLS LDP, MPLS GR, M-VRF, MPLS L3VPN, MPLS OAM, IPv6 MPLS L3VPN, MPLS TE, MPLS QoS
	L2 VPLS VPN	VPWS, Martini/Kompella VPLS
Precision Time Protocol (PTP)	IEEE 1588v2	E2ETC, P2PTC
Virtualization	RST	RST
	MAD	MAD LACP, MAD BFD, MAD Fast-hello
Security & Network Reliability	Security	ARP Check, AARF, AARF ARP-Guard, CPU Protection, Port Security, IP Source Guard, IPv6 Source Guard, ND-Snooping, DHCP Snooping, DHCPv6 Snooping, Dynamic ARP Inspection (DAI), AARF, Host Guard, P2P MACSec, PPPoE+, 802.1x, Portal Authentication, Anti-attack detect drop flood log, URPF
	AAA	Authentication, Authorization, Accounting, Radius, TACACS+
	Network Reliability	HA, ULFD, ERPS, ULPP, Monitor Link, VRRP, VRRPv3, VBRP, BFD, EEP, CPU protection
Management	Network Management	SNMP v1/v2/v3, MIB, RMON, SYSLOG, DNS, CLI, Telnet, SSH, HTTP/HTTPS, FTP/TFTP, Debug, NTP, Keepalive Gateway
	Network Monitoring	SPAN, RSPAN, ERSPAN, VLAN SPAN, IPFIX, sFlow, LLDP, LLDP-MED, IP-SLA, CWMP, Telemetry, Netconf, Restconf, BSM, MOD, Capture Packet

Model	Description
Order Information	
RS-ES-750-32XQS	32*Port 40/100G QSFP28 optical interfaces, six modular fan slots and dual modular power slots
RS-PWR-F	AC input 100-240VAC/7A, 550W, output 12V_45A, current sharing, supporting porting hot-swap, Air rear in, front out.
RS-PWR-B	V2 Version: AC input 100-240VAC/7A, 550W, output 12V_45A, current sharing, supporting hot-swap, Air front in, rearout.
RS-FANB-75	FAN-01E-01B, Modular Fan Slot, Hot-swappable, Air front in rear out
RS-FANF-75	FAN-01E-01F, Modular Fan Slot, Hot-swappable, Air rear in front out

<https://rubisec.com/>

Visit our website or contact your local Rubisec representative for more information.

Email: info@rubisec.com

Call us at: +382 69 050381

Main office: XVI Ulica, Lokal br. 7 Budva - Montenegro

© 2025 Rubisec, Inc. All rights reserved.