



RIS9320 series

20 -port 10G industrial-grade DIN-rail type three-layer Ethernet switch

Product Features

- Supports 20 ports, including up to 8 100/Gigabit SFP optical ports and 4 Gigabit/10G SFP+ slots;
- Support multiple redundancy protocols such as ERPS /MRP/ MSTP/RSTP/STP;
- Support NAT-based IP conversion;
- Support static routing, RIP v1/v2, OSPFv2, RIPNG, OSPFv3 dynamic routing protocols, support PIM-SM, PIM-DM multicast routing;
- Supports management functions such as QoS, VLAN, IGMP Snooping;
- Supports security technologies such as HTTPS/SSL, SSH, user classification, port isolation, IPSG, arp attack prevention, etc.;
- Supports CLI, Telnet, Web multiple management methods and network management software based on SNMPv1/v2c/v3;
- Support DDM;
- The power supply supports overload protection, reverse connection protection and redundancy protection (LV);

- IP40 protection level, fanless cooling ;
- Adopting industrial-grade power supply design, a variety of power input solutions are available to meet users' flexible applications;
- -40°C~75°C operating temperature, meeting industrial application scenarios ;
- Default rail, optional wall mounting.

Switch Parameters

Network Interface	
Port description	RIS9320-16GT-4XP: supports 16 Gigabit electrical ports and 4 10 Gigabit SFP+ slots RIS9320-8GT8GP-4XP: supports 8 Gigabit electrical ports, 8 Gigabit SFP slots, and 4 10 Gigabit SFP+ slots
Power Supply	
Power input	Low voltage DC power supply: dual redundant power supply, range DC18~36V High-voltage AC and DC power supply: single circuit, 85-265VAC/100-300VDC isolated power supply
Power consumption	<25W
Protect	Support overload protection, reverse connection protection and redundancy protection (LV)
Technology	
Ethernet specifications	IEEE 802.3: 10Base-T IEEE 802.3u: 100Base-TX and 100Base-FX IEEE 802.3z : 1000Base-SX/LX IEEE 802.3ab: 1000Base-T IEEE 802.3ae : 10Gbps Base-T IEEE 802.3x: Flow Control IEEE 802.3ad: LACP (Port Aggregation Control Protocol) IEEE 802.1D: STP (Spanning Tree Protocol) IEEE 802.1p: COS (Class of Service) IEEE 802.1Q: VLAN tag IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol) IEEE 802.1x security certification IEEE 802.1AB for LLDP link layer discovery protocol
MAC address table	32k

Priority queue	8
Jumbo frame	13312 bytes
Processing method	store and forward
Unicast routing	Support IPv4, IPv6 static routing, R IP v1 /v2, RIP ng , OSPFV2/V3
Multicast routing	Support PIM - SM,PIM-DM
Switch Features	<p>Exchange delay time : <10μs</p> <p>Switch backplane bandwidth : 176Gbps</p> <p>Packet buffer 32Mbit</p> <p>Number of VLANs : 4094</p> <p>IGMP multicast group : 1024</p> <p>Support port speed limit</p>
Security features	<p>ACL access control list</p> <p>CPU attack defense</p> <p>ARP security configuration</p> <p>IP source attack defense</p> <p>MAC-based port security mechanism</p> <p>DHCP-Snooping</p> <p>HTTPS/SSH enhanced network security protocol</p> <p>Port-based network connection control (802.1x)</p> <p>RADIUS security certification</p> <p>Network isolation via VLAN (802.1Q)</p> <p>SNMP v1/v2c/v3 encryption authentication and access control</p>
Software features	<p>Support RIP(v1/v2), RIPng</p> <p>Support OSPF (V1/V2/V3)</p> <p>Support IPv4, IPv6 static unicast routing</p> <p>Support static multicast routing</p> <p>Support VRRP</p> <p>Support BFD diagnostic function</p> <p>Support PIM-SM, PIM-DM</p> <p>Support DHCP relay, DHCP server</p> <p>Support MSTP/RSTP/STP</p> <p>Support ERPS: switching time <50ms</p> <p>Support QoS (802.1p/DSCP) traffic priority management</p> <p>Supports VLAN (802.1Q) with VLAN tag</p> <p>Support QinQ</p> <p>Support IGMP v1/v2/v3 (IGMP snooping) multicast management</p> <p>Supports SNMP v1/v2/v3 encryption authentication and access control</p> <p>Support ACL</p> <p>Support port speed limit</p> <p>Support port loopback detection</p> <p>Support storm suppression</p> <p>Support port mirroring</p> <p>Support port aggregation (Trunk)</p> <p>Support port traffic monitoring and traffic statistics</p>