



Product Specifications

Item	S5300-SI								S5300-EI				
	S5324TP -SI	S5324TP -PWR-SI	S5328C -SI	S5328C -PWR-SI	S5348TP -SI	S5348TP -PWR-SI	S5352C -SI	S5352C -PWR-SI	S5328C -EI	S5328C -PWR-EI	S5328C -EI-24S	S5352C -EI	S5352C -PWR-EI
Interface description	twenty-four 10/100/1000Base-T interfaces and four 1000Base-X Combo interfaces.	twenty-four 10/100/1000Base-T interfaces and four 1000Base-X Combo interfaces.	twenty-four 10/100/1000Base-T interfaces, four 1000Base-X Combo interfaces, and two 10GE XFPs or four 1000Base-X SFPs.	twenty-four 10/100/1000Base-T interfaces, four 1000Base-X Combo interfaces, and two 10GE XFPs or four 1000Base-X SFPs.	forty-eight 10/100/1000Base-T interfaces and four 1000Base-X Combo interfaces.	forty-eight 10/100/1000Base-T interfaces and four 1000Base-X Combo interfaces.	forty-eight 10/100/1000Base-T interfaces, and two 10GE XFPs or four 1000Base-X SFPs.	forty-eight 10/100/1000Base-T interfaces, and two 10GE XFPs or four 1000Base-X SFPs.	twenty-four 10/100/1000Base-T interfaces, and two 10GE XFPs or four 1000Base-X SFPs.	twenty-four 10/100/1000Base-T interfaces, and two 10GE XFPs or four 1000Base-X SFPs.	twenty-four 10/100/1000Base-T interfaces, four 10/100/1000Base-T Combo interfaces, and two 10GE XFPs or four 1000Base-X SFPs.	forty-eight 10/100/1000Base-T interfaces, and two 10GE XFPs or four 1000Base-X SFPs.	forty-eight 10/100/1000Base-T interfaces, and two 10GE XFPs or four 1000Base-X SFPs.



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Forwarding performance	36 Mpps	36 Mpps	66 Mpps	66 Mpps	72 Mpps	72 Mpps	102 Mpps	102 Mpps	66 Mpps	66 Mpps	66 Mpps	102 Mpps	102 Mpps
Switching capacity of interfaces	48 Gbps	48 Gbps	88 Gbps	88 Gbps	96 Gbps	96 Gbps	136 Gbps	136 Gbps	88 Gbps	88 Gbps	88 Gbps	136 Gbps	136 Gbps
Switching capacity of the backplane	256 G												
MAC address table	<p>EI Supports 32K MAC address entries and SI support 16K MAC address entries.</p> <p>Supports the automatic learning and aging of MAC addresses.</p> <p>Supports static, dynamic, and blackhole MAC entries.</p> <p>Supports the packet filtering based on source MAC addresses.</p>												
VLAN	<p>Supports up to 4K VLANs.</p> <p>Supports guest VLANs and voice VLANs.</p> <p>Supports VLANs based on MAC addresses, protocols, IP subnets and policies.</p> <p>Supports 1:1 and N:1 VLAN switching.</p> <p>Supports basic QinQ.</p> <p>Supports selective QinQ.</p>												



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Reliability	<p>Supports the RRPP topology and RRPP multi-instance.</p> <p>Supports the Smart Link tree topology and Smart Link multi-instance and provides the millisecond-level protection.</p> <p>Support BFD for OSPF, BFD for IS-IS, BFD for VRRP, and BFD for PIM.</p> <p>Supports STP, RSTP, and MSTP.</p> <p>Supports BPDU protection, root protection, and loopback protection.</p>												
IP Routing	Supports static route, RIP-1, RIP-2, and ECMP.								Supports static route, RIP-1, RIP-2, OSPF, IS-IS, BGP, and ECMP.				
IPv6	<p>Supports Neighbor Discovery (ND).</p> <p>Supports PMTU.</p> <p>Supports IPv6 Ping, IPv6 Tracert, and IP v6 Telnet.</p> <p>Supports manually configured tunnels.</p> <p>Supports 6to4 tunnels.</p> <p>Supports ISATAP tunnels.</p> <p>Supports ACLs based on the source IPv6 address, destination IPv6 address, Layer 4 interface, or protocol type.</p>												



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Multicast	<p>Supports IGMPv1/v2/v3 snooping and the fast leave mechanism.</p> <p>Supports multicast forwarding within a VLAN and replication of multicast packets across VLANs.</p> <p>Supports multicast load balancing among aggregated interfaces.</p> <p>Supports controllable multicast.</p> <p>Supports interface-based multicast traffic statistics.</p> <p>Supports IGMPv1/v2/v3.</p>								<p>Supports IGMPv1/v2/v3 snooping and the fast leave mechanism.</p> <p>Supports multicast forwarding within a VLAN and replication of multicast packets across VLANs.</p> <p>Supports multicast load balancing among aggregated interfaces.</p> <p>Supports controllable multicast.</p> <p>Supports interface-based multicast traffic statistics.</p> <p>Supports IGMPv1/v2/v3, PIM-SM, and PIM-DM.</p>				
QoS/ACL	<p>Supports the limit on the rate of received and sent packets on interfaces.</p> <p>Supports packet redirection.</p> <p>Supports interface-based traffic policing and two rate and three color CAR.</p> <p>Supports eight queues on each interface.</p> <p>Supports WRR, DRR, SP, WRR+SP, and DRR+SP queue scheduling algorithms.</p> <p>Supports the re-marking of the 802.1p priority and DSCP value of packets.</p> <p>Supports Layer 2 and Layer 4 packet filtering, and invalid frame filtering based on the source MAC address, destination MAC address, source IP address, destination IP address, interface, protocol, and VLAN.</p> <p>Support queue-based rate limit and interface shaping.</p>												



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Security	<p>Supports hierarchical user management and password protection.</p> <p>Supports defense against DoS and ARP attacks.</p> <p>Supports the binding of the IP address, MAC address, and interface.</p> <p>Supports interface isolation and interface security.</p> <p>Supports blackhole MAC addresses.</p> <p>Supports the limit on the number of MAC addresses to be learned.</p> <p>Supports IEEE 802.1X authentication and the limit on the maximum number of users on an interface.</p> <p>Supports multiple authentication methods including AAA authentication, RADIUS authentication, and TACACS+ authentication.</p> <p>Supports SSH v2.0.</p> <p>Supports CPU protection.</p>												



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Management and maintenance	<p>Supports MFF.</p> <p>Supports the virtual cable test.</p> <p>Supports Ethernet OAM (802.3ah and 802.1ag).</p> <p>Supports interface mirroring and RSPAN.</p> <p>Supports remote configuration and maintenance through Telnet.</p> <p>Supports SNMPv1/v2/v3.</p> <p>Supports RMON.</p> <p>Supports iManager network management system.</p> <p>Supports HGMP.</p> <p>Supports the system log and hierarchical alarm.</p>												
Environmental requirements	<p>Temperature: 0°C to 50°C; relative humidity: 10% to 90% (non-condensing)</p>												
Input voltage	<p>AC:</p> <p>Rated voltage: 100 V to 240 V AC; 50/60 Hz</p> <p>Maximum voltage: 90 V to 264 V AC; 50/60 Hz</p> <p>DC:</p> <p>Rated voltage: -48 V to -60 V DC</p> <p>Maximum voltage: -36 V to -72 V DC</p>												



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Dimensions (W x D x H)	442x220 x43.6	442x420x43.6											
Power consumption	40W	Switch: 455W PoE: 370W	65W	Switch: 466W PoE: 370W	84.2W	Switch: 907W PoE: 740W	85.2W	Switch: 917W PoE: 740W	63w	Switch: 472W PoE: 370W	62W	91W	Switch: 930W PoE: 740W

