

	S4600 10P-SI	S4600 10P-P-SI	S4600 20P-SI	S4600 20P-P-SI	S4600 52P-SI
Switch Classification					
Layer 2	√	√	√	√	√
Connectivity					
10/100/1000Base-T (RJ45)	8	-	24	-	48
10/100/1000Base-T (RJ45) with PoE	-	8	-	24	-
100/1000Base-X (SFP)	2	2	4	4	4
Performance					
Switch fabric speed	20 Gb/s	20 Gb/s	56 Gb/s	56 Gb/s	104 Gb/s
Forwarding Rate	15 Mp/s	15 Mp/s	42 Mp/s	42 Mp/s	78 Mp/s
Packet buffer	0.5MB	0.5MB	1.5MB	1.5MB	3MB (2x1.5MB)
Jumbo Frame	10k	10k	12k	12k	12k
MAC address Table shared for unicast and multicast (in 1:1 ratio)	8k	8k	16K	16K	16K
Multicast MAC address Table	500	500	1K	1K	1K
Number of Vlan Interfaces (IP)	16	16	16	16	16
ACL Table	1408	1408	2048	2048	2048
CPU clock	500MHz	500MHz	700MHz	700MHz	700MHz
Flash memory	32MB SPI	32MB SPI	32MB SPI	32MB SPI	32MB SPI
RAM memory	128MB	128MB	128MB	128MB	128MB
Resilience and availability					
IEEE 802.1D STP/802.1w RSTP/802.1s MSTP	√	√	√	√	√
IEEE 802.3ad LACP (max trunks / links per trunk)	8/8	8/8	16/8	16/8	16/8
Virtual Cable Testing	√	√	√	√	√
DDM	√	√	√	√	√
LLDP	√	√	√	√	√
Loop guard	√	√	√	√	√
Traffic control					
802.1Q VLANs	4k	4k	4k	4k	4k
Port-based VLAN	√	√	√	√	√
Protocol-based VLAN	√	√	√	√	√
IP subnet based VLAN	√	√	√	√	√
Voice VLAN	√	√	√	√	√
Mac VLAN	√	√	√	√	√
LACP algorithm of source/destination IP (load balance)	√	√	√	√	√
GVRP	√	√	√	√	√
802.1ad Vlan Stacking (QinQ)	√	√	√	√	√
Selective QinQ	√	√	√	√	√
Security					
Layer 2 MAC filtering	√	√	√	√	√
BPDU Tunnel	√	√	√	√	√
Login authentication and authorization by RADIUS and TACACS+	√	√	√	√	√
TACACS+ accounting/ auditing	√	√	√	√	√
SSH v1/v2	√	√	√	√	√
DHCP/DHCPv6 snooping	√	√	√	√	√
IP/IPv6 Source Guard	√	√	√	√	√
port security	√	√	√	√	√
Quality of Service					
802.1p Priority Queues per Port	8	8	8	8	8
802.1p Queuing method	√	√	√	√	√
Trusted COS/TOS/IP Precedence/DSCP/Port	√	√	√	√	√
Broadcast Storm Control	√	√	√	√	√
Rate Limiting, port based	√	√	√	√	√
Queuing method	SP/WRR/ SP +WRR	SP/WRR/ SP +WRR	SP/WRR/ SP +WRR	SP/WRR/ SP +WRR	SP/WRR/ SP +WRR

update date: 25-07-2019

	S4600 10P-SI	S4600 10P-P-SI	S4600 28P-SI	S4600 28P-P-SI	S4600 52P-SI
L2/L3 - Multicast					
Multicast VLAN	✓	✓	✓	✓	✓
IGMP Query	✓	✓	✓	✓	✓
IGMP Snooping (v1,v2,v3)	✓	✓	✓	✓	✓
IGMP Snooping Fast Leave (v2,v3)	✓	✓	✓	✓	✓
IPv6 MLD v1/v2 Snooping	✓	✓	✓	✓	✓
Layer 3 IPv6					
IPv4/IPv6 Dual Protocol Stack	✓	✓	✓	✓	✓
IPv6 address	✓	✓	✓	✓	✓
Manageability					
Console Port	✓	✓	✓	✓	✓
GUI	✓	✓	✓	✓	✓
Management through console, telnet, SNMP	✓	✓	✓	✓	✓
TFTP/FTP	✓	✓	✓	✓	✓
Configuration backup and restore	✓	✓	✓	✓	✓
Multilevel CLI	✓	✓	✓	✓	✓
DHCP Client/Relay/Server	✓	✓	✓	✓	✓
DHCP relay per VLAN	✓	✓	✓	✓	✓
DHCP option 43/60/82	✓	✓	✓	✓	✓
DHCPv6 option 37/38	✓	✓	✓	✓	✓
DHCPv6 Relay/Server	✓	✓	✓	✓	✓
NTP	✓	✓	✓	✓	✓
Port Mirroring	✓	✓	✓	✓	✓
Port Mirroring per IP/TCP/UDP	✓	✓	✓	✓	✓
RSPAN	✓	✓	✓	✓	✓
OAM EFM/CFM	✓	✓	✓	✓	✓
MIB					
RFC 1066 TCP/IP-based MIB	✓	✓	✓	✓	✓
RFC1213, 1157 SNMPv2c/v3 MIB	✓	✓	✓	✓	✓
RFC1493 bridge MIB	✓	✓	✓	✓	✓
RFC 2674 bridge MIB extension	✓	✓	✓	✓	✓
RFC1643 ethernet MIB	✓	✓	✓	✓	✓
RFC1757 RMON group 1,2,3,9	✓	✓	✓	✓	✓
RFC 2925 Remote Management MIB	✓	✓	✓	✓	✓
RFC 2233 (rfc2233) - SMiv2 MIB	✓	✓	✓	✓	✓
Physical					
Dimensions (Width x Height x Depth)	250mm x43.6mm x180mm	340mm x 43.6mm x 200mm	440mm x 43.6mm x 220mm	440mm x 43.6mm x 260mm	440mm x 43.6mm x 220mm
Operating Temperature	0°C~50°C	0°C~50°C	0°C~50°C	0°C~50°C	0°C~50°C
Working humidity	10% - 90% (non-condensing)	10% - 90% (non-condensing)	10% - 90% (non-condensing)	10% - 90% (non-condensing)	10% - 90% (non-condensing)
Electrical					
PoE Standards (IEEE 802.3af/at)	-	✓	-	✓	-
PoE Power budget	-	124W	-	370W	-
Power Supply	230V AC	230V AC	230V AC	230V AC	230V AC
Power Consumption	≤ 20W	≤ 144W	≤ 20W	≤ 390W	≤ 37W