





S2720-EI Series Enterprise Switches



The S2720-EI is a next-generation access switch that provides flexible 100M, GE access ports and GE uplink ports.

Product Overview

Building on next-generation, high-performance hardware and the Huawei Versatile Routing Platform (VRP), the S2720-EI supports intelligent stack (iStack), flexible Ethernet networking, and diversified security control. It provides customers with a green, easy-to-manage, easy-to-expand, and cost-effective 100M to the desktop solution.

Models and Appearances

Models and Appearances	Description
 <p>S2720-12TP-EI</p>	<ul style="list-style-type: none"> • 4 × Ethernet 10/100 Base-Tx ports, 4 × Ethernet 10/100/1000 Base-T ports, 2 × Gig SFP ports, 2 xcombo Gig ports • AC power supply • Forwarding performance: 12.6Mpps • Switching capacity: 68Gbps
 <p>S2720-12TP-PWR-EI</p>	<ul style="list-style-type: none"> • 4 × Ethernet 10/100 Base-Tx ports, 4 × Ethernet 10/100/1000 Base-T ports, 2 × Gig SFP ports, 2 xcombo Gig ports • AC power supply • PoE+ • Forwarding performance: 12.6Mpps • Switching capacity: 68Gbps
 <p>S2720-28TP-EI</p>	<ul style="list-style-type: none"> • 16 × Ethernet 10/100 Base-Tx ports, 8 × Ethernet 10/100/1000 Base-T ports, 2 × Gig SFP ports, 2 xcombo Gig ports • AC power supply • Forwarding performance: 20.4Mpps • Switching capacity: 68Gbps
 <p>S2720-28TP-PWR-EI</p>	<ul style="list-style-type: none"> • 16 × Ethernet 10/100 Base-Tx ports, 8 × Ethernet 10/100/1000 Base-T ports, 2 × Gig SFP ports, 2 xcombo Gig ports • AC power supply • PoE+ • Forwarding performance: 20.4Mpps

Models and Appearances	Description
	<ul style="list-style-type: none"> Switching capacity: 68Gbps
 <p>S2720-52TP-EI</p>	<ul style="list-style-type: none"> 32 × Ethernet 10/100 Base-Tx ports, 16 × Ethernet 10/100/1000 Base-T ports, 4 × Gig SFP ports AC power supply Forwarding performance: 34.8Mpps Switching capacity: 336Gbps
 <p>S2720-52TP-PWR-EI</p>	<ul style="list-style-type: none"> 32 × Ethernet 10/100 Base-Tx ports, 16 × Ethernet 10/100/1000 Base-T ports, 4 × Gig SFP ports AC power supply PoE+ Forwarding performance: 34.8Mpps Switching capacity: 336Gbps

Product Specifications

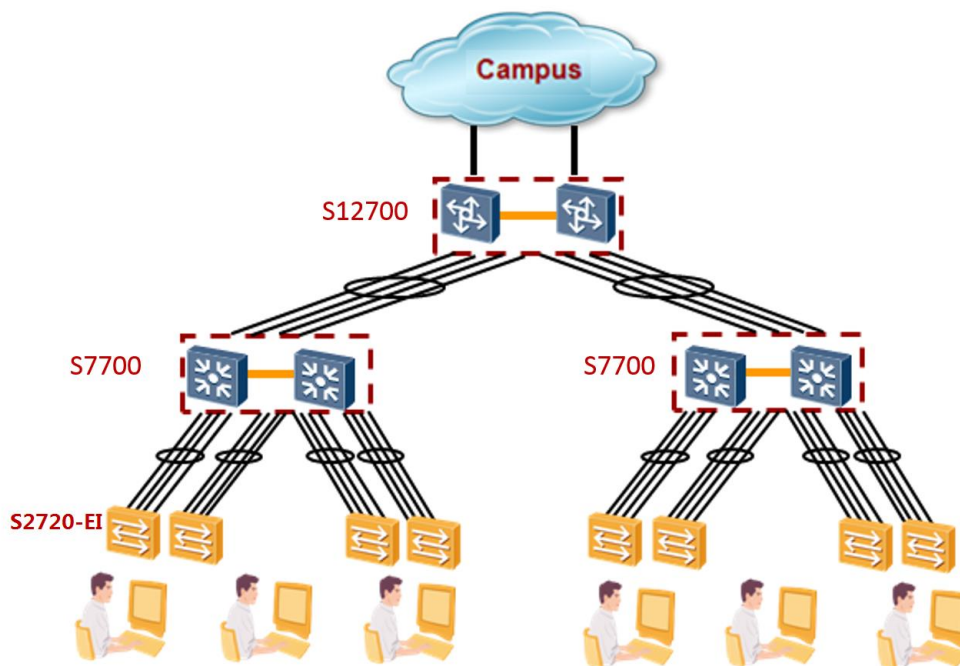
Item	S2720-12TP-EI	S2720-28TP-EI	S2720-52TP-EI
	S2720-12TP-PWR-EI	S2720-28TP-PWR-EI	S2720-52TP-PWR-EI
Fixed ports	4 × Ethernet 10/100 Base-Tx ports, 4 × Ethernet 10/100/1000 Base-T ports, 2 × Gig SFP ports, 2 × combo Gig ports	16 × Ethernet 10/100 Base-Tx ports, 8 × Ethernet 10/100/1000 Base-T ports, 2 × Gig SFP ports, 2 × combo Gig ports	32 × Ethernet 10/100 Base-Tx ports, 16 × Ethernet 10/100/1000 Base-T ports, 4 × Gig SFP ports
MAC address table	16K MAC address entries MAC address learning and aging Static, dynamic, and blackhole MAC address entries Interface-based MAC learning limiting		
VLAN features	4K VLANs Guest VLAN and voice VLAN GVRP MUX VLAN VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and interfaces 1:1 and N:1 VLAN mapping		
Ethernet loop protection	RRPP ring topology and RRPP multi-instance Smart Link tree topology and Smart Link multi-instance, providing millisecond-level protection switchover SEP ERPS (G.8032) STP (IEEE 802.1d), RSTP (IEEE 802.1w), and MSTP (IEEE 802.1s)		
Reliability	EFM OAM (802.3ah) CFM OAM (802.1ag) ITU-Y.1731 DLDP LACP		
IP routing	Static route, RIP, RIPng, OSPF		

Item	S2720-12TP-EI	S2720-28TP-EI	S2720-52TP-EI
	S2720-12TP-PWR-EI	S2720-28TP-PWR-EI	S2720-52TP-PWR-EI
IPv6 features	Neighbor Discovery (ND) Path MTU (PMTU) IPv6 ping, IPv6 tracer, and IPv6 Telnet		
Multicast	IGMPv1/v2/v3 snooping Controllable multicast Interface-based multicast traffic statistics MLDv1/v2 snooping (Multicast Listener Discovery snooping)		
QoS/ACL	Rate limiting by an interface Eight queues on each interface WRR, DRR, SP, WRR+SP, and DRR+SP queue scheduling algorithms Re-marking of the 802.1p priority and DSCP priority Rate limiting in each queue and traffic shaping on interfaces		
Security	Port isolation, port security, and sticky MAC MFF Blackhole MAC address entries Limit on the number of learned MAC addresses IEEE 802.1x authentication and limit on the number of users on an interface AAA authentication, RADIUS authentication, HWTACACS authentication, and NAC SSH V2.0 Hypertext Transfer Protocol Secure (HTTPS) CPU defense Blacklist and whitelist DHCP relay, DHCP server, DHCP snooping DHCPv6 relay, DHCPv6 server, DHCPv6 snooping		
Lightning protection	Service interface: 7 kV		
Super Virtual Fabric (SVF)	Working as an SVF client that is plug-and-play with zero configuration Automatically loading the system software package and patches of clients One-click and automatic delivery of service configurations Supports independent running client		
Management and maintenance	iStack Virtual Cable Test (VCT) Remote configuration and maintenance using Telnet SNMPv1/v2c/v3 RMON eSight and web-based NMS HTTPS LLDP/LLDP-MED System logs and multi-level alarms 802.3az EEE		
Interoperability	Supports VBST (Compatible with PVST/PVST+/RPVST)		

Item	S2720-12TP-EI S2720-12TP-PWR-EI	S2720-28TP-EI S2720-28TP-PWR-EI	S2720-52TP-EI S2720-52TP-PWR-EI
	Supports LNP (Similar to DTP) Supports VCMP (Similar to VTP)		
Operating environment	<ul style="list-style-type: none"> Operating temperature: <ul style="list-style-type: none"> 0m to 1,800m: 0°C to 45°C 1,800m to 5,000m (decreases 1°C for every 220m increase in altitude) Relative humidity: 5% to 95% (noncondensing) 	<ul style="list-style-type: none"> Operating temperature: <ul style="list-style-type: none"> 0m to 1,800m: 0°C to 45°C 1,800m to 5,000m (decreases 1°C for every 220m increase in altitude) Relative humidity: 5% to 95% (noncondensing) 	<ul style="list-style-type: none"> Operating temperature: <ul style="list-style-type: none"> 0m to 1,800m: 0°C to 45°C 1,800m to 5,000m (decreases 1°C for every 220m increase in altitude) Relative humidity: 5% to 95% (noncondensing)
Input voltage	<ul style="list-style-type: none"> Rated voltage range: 100 V to 240 V AC, 50/60 Hz Maximum voltage range: 90 V to 264 V AC, 47/63 Hz 	<ul style="list-style-type: none"> Rated voltage range: 100 V to 240 V AC, 50/60 Hz Maximum voltage range: 90 V to 264 V AC, 47/63 Hz 	<ul style="list-style-type: none"> Rated voltage range: 100 V to 240 V AC, 50/60 Hz Maximum voltage range: 90 V to 264 V AC, 47/63 Hz
Dimensions (WxDxH)	<ul style="list-style-type: none"> S2720-12TP-EI: 250x180x43.6 mm S2720-12TP-PWR-EI: 320x220x43.6 mm 	<ul style="list-style-type: none"> S2720-28TP-PWR-EI: 442x310x43.6 mm S2720-28TP-EI: 442x220x43.6 mm 	<ul style="list-style-type: none"> S2720-52TP-EI: 442x220x43.6 mm S2720-52TP-PWR-EI: 442x310x43.6 mm
Max. Power Consumption	<ul style="list-style-type: none"> S2720-12TP-EI: 12.85W S2720-12TP-PWR-EI: <ul style="list-style-type: none"> Without PD: 15.61W With PD: 160.5W (PoE: 123.2W) 	<ul style="list-style-type: none"> S2720-28TP-PWR-EI: <ul style="list-style-type: none"> Without PD: 37.8W With PD: 444.9W (PoE: 370W) S2720-28TP-EI: 20.1W 	<ul style="list-style-type: none"> S2720-52TP-EI: 40.3W S2720-52TP-PWR-EI: <ul style="list-style-type: none"> Without PD: 53.7W With PD: 435W (PoE: 370W)

Networking and Applications

The S2720-EI provides 100M desktop access functions for a high performance network, such as voice VLAN, NAC and so on.



Ordering Information

Item	Product Description
1	S2720-12TP-EI (4 x Ethernet 10/100 Base-Tx ports, 4 x Ethernet 10/100/1000 Base-T ports, 2 x Gig SFP ports, 2 xcombo Gig ports, AC 110/220V)
2	S2720-12TP-PWR-EI (4 x Ethernet 10/100 Base-Tx ports, 4 x Ethernet 10/100/1000 Base-T ports, 2 x Gig SFP ports, 2 xcombo Gig ports, 124W PoE AC 110/220V)
3	S2720-28TP-PWR-EI (16 x Ethernet 10/100 Base-Tx ports, 8 x Ethernet 10/100/1000 Base-T ports, 2 x Gig SFP ports, 2 xcombo Gig ports, 370W PoE AC 110/220V)
4	S2720-28TP-EI (16 x Ethernet 10/100 Base-Tx ports, 8 x Ethernet 10/100/1000 Base-T ports, 2 x Gig SFP ports, 2 xcombo Gig ports, AC 110/220V)
5	S2720-52TP-EI (32 x Ethernet 10/100 Base-Tx ports, 16 x Ethernet 10/100/1000 Base-T ports, 4 x Gig SFP ports, AC 110/220V)
6	S2720-52TP-PWR-EI (32 x Ethernet 10/100 Base-Tx ports, 16 x Ethernet 10/100/1000 Base-T ports, 4 x Gig SFP ports, 370W PoE AC 110/220V)

More Information


For more information about Huawei Campus Switches, visit <http://e.huawei.com> or contact us in the following ways:

- Global service hotline: <http://e.huawei.com/en/service-hotline>
- Logging in to the Huawei Enterprise technical support website: <http://support.huawei.com/enterprise/>
- Sending an email to the customer service mailbox: support_e@huawei.com

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