S5700-28C-EI (02352338)
Datasheet

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Overview

The S5700-28C-EI gigabit enterprise switch is next-generation energy-saving switch developed by Huawei to meet the demand for high-bandwidth access and Ethernet multi-service aggregation. With 24 GE ports and 2 extended slots, it provides a large switching capacity and high-density GE ports to implement 10 Gbit/s upstream transmissions, widely used in various application scenarios like enterprise park access, convergence, gigabit access of data center application scenarios. The S5700-28C-EI is easy to install and maintain, reducing workloads for network planning, construction, and maintenance, then it uses advanced reliability, security, and energy conservation technology to help enterprise customers build a next-generation IT network.

Quick Specification

Table 1 shows the quick specification.

Model	S5700-28C-EI
Part Number	02352338
Fixed Ports	24 x 10/100/1,000 Base-T
Extended Slots	two extended slots, one for an uplink subcard and the other for a stack card.
Memory (RAM)	256 MB
Flash	32 MB
MAC Address Table Size	32 MAC
Voltage Required	AC Rated voltage range: 100V to 240V AC, 50/60 Hz Maximum voltage range: 90V to 264V AC, 50/60 Hz
Power Device	Double hot-swappable AC/DC power supplies
Power Consumption Operational	< 60W
Forwarding Performance	96 Mpps
Switching Capacity	256 Gbit/s
Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm
Weight	6.05kg
Compliant Standards	IEEE 802.1d compliance

Figure 1 shows the appearance of S5700-28C-EI.

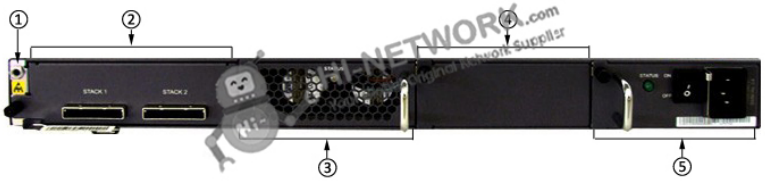
Product Details

Figure 2 shows the front panel of S5700-28C-EI.

Note:

(1)	Twenty-four 10/100/1000BASE-T ports	(3)	ETH management port
(2)	Power indicator	(4)	Front card slot

Figure 3 shows the back panel of S5700-28C-EI.



Note:

(1)	ESD jack	(4)	Power module slot 2
(2)	Rear card slot	(5)	Power module slot 1
(3)	Fan slot		

*Ventilating fan, cards and power modules have been installed in the diagram, but they should be purchased alone.

Optical Modules

Table 2 shows the recommended optical modules.

Model	Description
Optical Transceivers	
OMXD30000	Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.3km, LC)
OSX010000	Optical Transceiver, SFP+, 10G, Single-mode Module (1310nm, 10km, LC)
SFP-10G-USR	10GBase-USR Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.1km, LC)
eSFP-GE-SX-MM850	Optical Transceiver, eSFP, GE, Multi-mode Module (850nm, 0.5km, LC)
eSFP-GE-ZX100-SM1550	eSFP, GE, Single-mode Module (1550nm, 100km, LC)
Copper Transceivers	
SFP-1000BaseT	1000BASE-T (RJ45) SFP Electrical Module, Auto Negotiate, 100m

Compare to Similar Items

Table 3 shows the comparison of Huawei S5700-28C-EI, S5700-28C-PWR-EI and S5700-28C-EI-24S.

Models	S5700-28C-EI	S5700-28C-PWR-EI	S5700-28C-EI-24S
Fixed Ports	24 x 10/100/1,000 Base-T	24 x 10/100/1,000 Base-T	24 x 100/1,000 Base-X, 4 of which are dual-purpose 10/100/1,000 or SFP
Extended Slots	2 extended slots	2 extended slots	2 extended slots
Power Supply	Double hot-swappable AC/DC	Double hot-swappable AC/DC	Double hot-swappable AC, PoE+
Forwarding Performance	96 Mpps	96 Mpps	96 Mpps
Switching Capacity	256 Gbit/s	256 Gbit/s	256 Gbit/s

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Specification

S5700-28C-EI Specification

Manufacturer	Huawei
Manufacturer Part Number	S5700-28C-EI
Form Factor	Fixed, Stackable
Switch Port	24 GE ports
Power Over Ethernet (PoE)	Non-POE
Extended slot	Provide two extended slots, one for an uplink subcard and the other for a stack card
Max Stack bandwidth	48Gbps
DRAM Memory	256 MB
Flash Memory	32 MB
Performance	
MAC address table	IEEE 802.1d compliance
	16 K MAC address entries
	MAC address learning and aging
	Static, dynamic, and blackhole MAC address entries
	Packet filtering based on source MAC addresses
VLAN	4 K VLANs
Reliability	RRPP ring topology and RRPP multi-instance
	Smart Link tree topology and Smart Link multi-instance, providing the millisecond-level protection switchover
	SEP
	STP, RSTP, and MSTP
	BPDU protection, root protection, and loop protection
	E-Trunk
IP routing	Static routing, ECMP
	RIPv1, RIPv2 and RIPng
IPv6 features	Neighbor Discovery (ND)
	Path MTU (PMTU)
	IPv6 ping, IPv6 tracert, and IPv6 Telnet
	ACLs based on the source IPv6 address, destination IPv6 address, Layer 4 ports, or protocol type
	MLD v1/v2 snooping
	6to4 tunnel, ISATAP tunnel, and manually configured tunnel
Multicast	IGMP v1/v2/v3 snooping and IGMP fast leave
	Multicast forwarding in a VLAN and multicast replication between VLANs
	Multicast load balancing among member ports of a trunk
	Controllable multicast
	Port-based multicast traffic statistics

QoS/ACL	Rate limiting on packets sent and received by an interface
	Packet redirection
	Port-based traffic policing and two-rate three-color CAR
	Eight queues on each port
	WRR, DRR, SP, WRR+SP, and DRR+SP queue scheduling algorithms
	Re-marking of the 802.1p priority and DSCP priority
	Packet filtering at Layers 2 through 4, filtering out invalid frames based on the source MAC address, destination
	MAC address, source IP address, destination IP address, port number, protocol type, and VLAN ID
	Rate limiting in each queue and traffic shaping on ports
Security	User privilege management and password protection
	DoS attack defense, ARP attack defense, and ICMP attack defense
	Binding of the IP address, MAC address, interface, and VLAN
	Port isolation, port security, and sticky MAC
	Blackhole MAC address entries
	Limit on the number of learned MAC addresses
	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
Management	
Management and maintenance	Stacking
	MAC Forced Forwarding (MFF)
	Virtual cable test
	Port mirroring and RSPAN (remote port mirroring)
	Remote configuration and maintenance by using Telnet
	SNMP v1/v2/v3
	RMON
	Web NMS
	HGMP
	System logs and alarms of different levels
	GVRP
	MUX VLAN
Power Supply Specifications	

Power Device	Power supply - Non-PoE
Power Redundancy	No
Voltage Required	AC 120/230 V (50/60 Hz)
Dimensions / Weight / Miscellaneous	
Width	44.2cm
Depth	43.6cm
Height	22.0cm
Weight	5.0kg
System Software	
Software Version	Enhanced Version
Manufacturer Warranty	
Service & Support	1 year warranty

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