## Datasheet



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### Overview

Huawei S5700-24TP-PWR-SI supports 20 PoE+ 10/100/1000BASE-T ports and 4 combo ports (10/100/1000BASE-T (PoE+) + 100/1000BASE-X). It has no Power supply, needs to purchase additional power W0PSA5000.

#### **Quick Specification**

#### Table 1 shows the quick specification.

Model	S5700-24TP-PWR-SI
Part Number	02352369
Description	24 Ethernet 10/100/1000 PoE+ ports, 4 of which are dual-purpose 10/100/1000 or SFP, 2 power slots, without power module
Downlink Ports	20 PoE+ 10/100/1000BASE-T ports
Uplink Ports	4 combo ports (10/100/1000BASE-T (PoE+) + 100/1000BASE-X)
Forwarding Performance	36 Mpps
Switching Capacity	256 Gbit/s
Stack	Supported
Stack Ports	Two stack ports available on each stack card
Power	Two power module slots
Heat Dissipation	Pluggable fan modules for forced air cooling
Memory (RAM)	256 MB
Flash	32 MB
Dimensions (W x D x H)	44.2 cm x 42 cm x 4.36 cm

#### Figure 1 shows the appearance of S5700-24TP-PWR-SI.



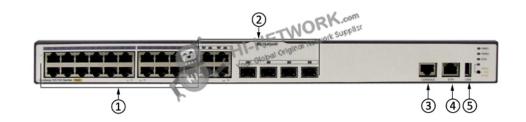


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## **Product Details**

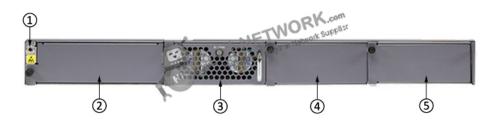
Figure 2 shows the front panel of S5700-24TP-PWR-SI.



Note:

(1)	)	Twenty PoE+ 10/100/1000BASE-T ports	(4)	ETH management port
(2)	)	Four combo ports (10/100/1000BASE-T (PoE+) + 100/1000BASE-X)	(5)	USB port
(3)	)	One console port		

#### Figure 3 shows the back panel of S5700-24TP-PWR-SI.



Note:

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

#### The Transceiver

#### Table 2 shows the recommended transceivers.

Model	Description	
GE-SFP Optical Transceiver		
SFP-1000BaseT	Electrical Transceiver, SFP, GE, Electrical Interface Module (100m, RJ45)	
eSFP-GE-SX-MM850	Optical Transceiver, eSFP, GE, Multi-mode Module (850nm, 0.55km, LC)	
SFP-GE-LX-SM1310	Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 10km, LC)	



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S-SFP-GE-LH40-SM1310     Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 40km, LC)       S-SFP-GE-LH40-SM1550     Optical Transceiver, eSFP, GE, Single-mode Module (1550nm, 40km, LC)			
		10G-SFP+ Optical Transceiver	
SFP-10G-USR 10GBase-USR Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.1km, LC)			
<u>OMXD30000</u>	Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.3km, LC)		
<u>OSX010000</u>	Optical Transceiver, SFP+, 10G, Single-mode Module (1310nm, 10km, LC)		

#### **Compare to Similar Items**

#### Table 3 shows the comparison of Huawei S5700-48TP-PWR-SI and S5700-24TP-PWR-SI.

Models	<u>S5700-48TP-PWR-SI</u>	S5700-24TP-PWR-SI
Downlink Ports	$44 \times PoE+ 10/100/1000BASE-T ports$	$20 \times PoE+ 10/100/1000BASE-T ports$
Uplink Ports	Four combo ports (10/100/1000BASE-T (PoE+) + 100/1000BASE-X)	Four combo ports (10/100/1000BASE-T (PoE+) + 100/1000BASE-X)
PoE Supported	Yes	Yes
Software Version	Standard	Standard

#### Get more information

Do you have any question about the S5700-24TP-PWR-SI (02352369)?

Contact us now via info@hi-network.com.

## Specification

S5700-24TP-PWR-SI Specification		
Manufacturer	Huawei	
Manufacturer Part Number	S5700-24TP-PWR-SI	
Form Factor	Fixed, Stackable	
Switch Port	20 GE PoE ports, 4 GE Combo ports	
Power Over Ethernet (PoE)	POE Switch, support POE+	
Extended slot	Provides an extended slot for a stack card	
Max Stack bandwidth	48Gbps	
DRAM Memory	256 MB	
Flash Memory	32 MB	



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#### Performance

Performance			
Forwarding performance	36 Mpps		
	IEEE 802.1d compliance		
	16 K MAC address entries		
MAC address table	MAC address learning and aging		
	Static, dynamic, and blackhole MAC address entries		
	Packet filtering based on source MAC addresses		
VLAN	4 K VLANs		
	RRPP ring topology and RRPP multi-instance		
	Smart Link tree topology and Smart Link multi-instance, providing the millisecond-level protection switchover		
D. 1. 1. 1.	SEP		
Reliability	STP, RSTP, and MSTP		
	BPDU protection, root protection, and loop protection		
	E-Trunk		
ID routing	Static routing, ECMP		
IP routing	RIPv1, RIPv2 and RIPng		
	Neighbor Discovery (ND)		
	Path MTU (PMTU)		
IPv6 features	IPv6 ping, IPv6 tracert, and IPv6 Telnet		
Ir vo teatures	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		
	IGMP v1/v2/v3 snooping and IGMP fast leave		
	Multicast forwarding in a VLAN and multicast replication between VLANs		
Multicast	Multicast load balancing among member ports of a trunk		
	Controllable multicast		
	Port-based multicast traffic statistics		
	Rate limiting on packets sent and received by an interface		
	Packet redirection		
	Port-based traffic policing and two-rate three-color CAR		
QoS/ACL	Eight queues on each port		
QUS/ACL	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		



# Datasheet



Rate limiting in each quote and traffic alaping on ports       User pervilage management and password protection       DoS attack defense. ARP attack defense, and ICMP attack defenses       Bluckbok MAC address entries       AAA ambenization, BADDILS authentication, HWTACACS authentication, and NAC       SSEL       CPU defense       Huster Transfer Protectol Secure (HTTPS)       CPU defense       Huster Transfer Protectol Secure (HTTPS)       CPU defense       Management and maintenance       Marca adhe test       Management and maintenance       Management and maintenance       Management and maintenance       SNBM P 1/2v3       Remote configuration and maintenance by using Tohet       System logs and alarms of different levels       GVRP       MITRO VIAN       Voltage Required       Voltage Required       AC 1202/0 V (S000 Hr)       Volage Required       Voltage Requir				
Binding of the IP address, MAC address, interface, and VLMN       Initiality, and safety, MAC       Binding of the IP address, MAC address, interface, and VLMN       Initial on the number of learned MAC address       Blackhole MAC address entrics       Elimit on the number of learned MAC addresses       8902.1's authentication and limit on the number of outers on an interface       AAA authentication RADUS authentication, HWTACACS authentication, and NAC       SSH v2.0       Hypertex Transfer Protocol Secure (HTTPS)       CPU defone       Blackhole MAC address entrics       MAC Forced Forwarding (MFF)       Virtual cable test       Water constrained and maintenance by using Telater       RMON       RMON       Bink MS       HIGNP       Web MS       HIGNP       Web MS       HIGNP       Wuk VLAM       Power Sequelation       MUX VLAM       Power Sequelation       Marcegeneral and maintenance       Wathen Device       Power Sequelation       GVRP       OVRP       Wuk No       Power Sequelation		Rate limiting in each queue and traffic shaping on ports		
Binding of the IP address, MAC address, interface, and VLAN       Prot isolation, port security, and sickly MAC       Biachole MAC address entries       Biachole MAC address entries       Security       Biachole MAC address entries       CPU defense       Biachole MAC Forceol Socure (HTPS)       Powending and RSPAN (remote pot minoring)       Remote configuration and maintenance by using Telatet       SNMP Vi>2v3       Remote configuration and maintenance by using Telatet       SNMP Vi>2v3       Remote configuration and maintenance by using Telatet       SNMP Vi>2v3       Grupp       Grupp       Wold NON <t< td=""><td></td><td>User privilege management and password protection</td></t<>		User privilege management and password protection		
Port isolation, port security, and sikky MAC       IReshole MAC addresse startiss       Uniti on the number of learned MAC addresses       1902.1.8 authentication and limit on the number of users on an interface       1902.1.8 authentication, RADIUS authentication, HWTACACS authentication, and NAC       1903.1.8 authentication RADIUS authentication, HWTACACS authentication, and NAC       1903.1.8 authentication RADIUS authentication, HWTACACS authentication, and NAC       1904.1.9 authentication RADIUS authentication, HWTACACS authentication, and NAC       1904.1.9 authentication RADIUS authentication, HWTACACS authentication, and NAC       1904.1.9 authentication       1904.1.9 authentication<		DoS attack defense, ARP attack defense, and ICMP attack defense		
Receive of learned MAC addresses       Initi on the number of learned MAC addresses       Issue of learned MAC addresses of learned MAC addresses       Issue of learned MAC addresses of learned MAC addresses       Issue of learned MAC addresses of learned MAC ad		Binding of the IP address, MAC address, interface, and VLAN		
Scurity     Initiation the number of learned MAC addresses       382.1 x authentication and limit on the number of users on an interface       4AA authentication, RADUIS authentication, HWTACACS authentication, and NAC       583 H < 2.0		Port isolation, port security, and sticky MAC		
Security     802.1x authentication and limit on the number of users on an interface       AAA authentication, RADIUS authentication, IIWTACACS authentication, and NAC       SSH v2.0       Hypertext Transfer Protocol Secure (HTTPS)       CPU defense       Blacklist and whitelist       Management       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 Device       Power Redundancy       No       Voltage Required       AC 120230 V (50:60 Hz)       Widh		Blackhole MAC address entries		
802.1s authentication and limit on the number of users on an interface   AAA authentication, RADUS authentication, HWTACACS authentication, and NAC   SSH v2.0   Hypertext Transfer Protocol Secure (HTTPS)   CPU defense   Blacklist and whitelist   Management   MAC Forced Forwarding (MFF)   Virtual cable iest   Port mirroring and RSPAN (remote port mirroring)   Remote configuration and maintenance by using Tellnet   SNMP v1/v2/v3   RMON   Web NMS   HGMP   System logs and alarms of different levels   GVRP   MUX VLAN   Power Bedundancy   No   Volage Required Act 120/230 V (S060 Hz)   Width 44.2cm		Limit on the number of learned MAC addresses		
SSH v2.0   Hyperext Transfer Protocol Secure (HTTPS)   CPU defense   Black list and whitelist   Mangement   Mangement   Stacking   MACE Forced Forwarding (MFF)   Virtual cable test   Port mirroring and RSPAN (remote port mirroring)   Remote configuration and maintenance by using Tellett   SSMMP v1/v2/v3   Remote configuration and maintenance by using Tellett   Remote configuration and maintenance by using Tellett   SMMP v1/v2/v3   Remote configuration and maintenance by using Tellett   SMMP v1/v2/v3   System logs and alarms of different levels   GVRP   MuX v1AN   Dever Seque y support PoE*   Power Redundancy No   Voltage Required No   Voltage Required A (210/230 V(GVG/06 Hz))   Dimension / Weight / Miscellaneous	Security	802.1x authentication and limit on the number of users on an interface		
Hyperest Transfer Protocol Secure (HTTPS)       CPU defense       Blacklist and whitelist       Management       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       Remote configuration and maintenance by using Telnet       SNMP v1/v2/v3       KMON       Web NMS       HGMP       GVRP       MUX VLAN       Power Supply Specifications       Power Redundancy     No       Valage Required     No       Valage Required     AC 120/230 V (50/69 Hz)       Dimensions / Weight / Miscellancous		AAA authentication, RADIUS authentication, HWTACACS authentication, and NAC		
CPU defense       Blacklist and whitelist       Management       MAC Forced Forwarding (MFF)       Virtual cable test       Port mirroring and RSPAN (remote port mirroring)       Remote configuration and maintenance by using Telnet       SNMP v1/v2v3       RMON       Web NMS       HIGMP       GVRP       MUX VLAN       Power Supply Specifications       Power Device     Power supply - support PoE+       Power Required     AC 120/230 V (50/60 Hz)       Dimensions / Weight / Miscellaneous       Width     44.2cm		SSH v2.0		
Blacklist and whitelist       Management       Management       MAC Forced Forwarding (MFF)       Virtual cable test       Port mirroring and RSPAN (remote port mirroring)       Remote configuration and maintenance by using Telnet       SNMP V1/2/3       RMON       View NMS       View NMS       HGMP       System logs and alarms of different levels       GVRP       MUX VLAN       Power Device       Power Redundangv       Power Redundangv       Oxfor Coll (SU)       Voltage Required       Act 2020 VG000 Hz)       Wath		Hypertext Transfer Protocol Secure (HTTPS)		
Management     Stacking     MAC Forced Forwarding (MFF)     Virtual cable test     Port mirroring and RSPAN (remote port mirroring)     Remote configuration and maintenance by using Telnet     SSMP V1/v2/v3     RMON     Web NMS     HGMP     System logs and alarms of different levels     GVRP     MUX VLAN     Power Device     Power supply Specifications     Power Redundancy     No     Voltage Required     AC L20/230 V (50/60 Hz)     Withh		CPU defense		
Image: 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       Web NMS       HGMP       System logs and alarms of different levels       GVRP       MUX VLAN       Power Device       Power supply - support PoE+       Power supply - support PoE+       Power Redundancy       AC 120/230 V (50/60 Hz)       Virtuag Required       Withh       H4.2cm		Blacklist and whitelist		
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 Device     Power supply - support PoE+       Power Redundancy     No       Voltage Required     AC 120/230 V (50/60 Hz)       Width     44.2cm		Management		
Image: Normal and maintenance     Image: Normal and RSPAN (remote port mirroring)       Image: Normal and maintenance     Image: Normal and maintenance       Image: Normal and Antenance     Image: Normal and Maintenance		Stacking		
Potr 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 Device       Power Redundancy       No       Voltage Required       No       Wolt Supply - support PoE+       Dimensions / Weight / Miscellaneous       Width       Voltage Required       Midth       Midth		MAC Forced Forwarding (MFF)		
Anagement and maintenance     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 Device       Power Redundancy       No       Voltage Required       AC 120/230 V (50/60 Hz)       Width       H32		Virtual cable test		
Management and maintenance     SNMP v1/v2/v3       RMON     RMON       Web NMS     Web NMS       HGMP     System logs and alarms of different levels       GVRP     GVRP       MUX VLAN     NUX VLAN       Power Device     Power supply - support PoE+       Power Redundancy     No       Voltage Required     AC 120/230 V (50/60 Hz)       Width     44.2cm		Port mirroring and RSPAN (remote port mirroring)		
Management and maintenance   RMON     RMON   Web NMS     HGMP   System logs and alarms of different levels     GVRP   MUX VLAN     Dever Device   Power Supply Specifications     Power Redundancy   Power supply - support PoE+     Power Required   AC 120/230 V (50/60 Hz)     Voltage Required   4/4.2cm		Remote configuration and maintenance by using Telnet		
RMON     Web NMS     HGMP     System logs and alarms of different levels     GVRP     MUX VLAN     Power Device     Power Redundancy     No     CVoltage Required     AC 120/230 V (50/60 Hz)     Dimensions / Weight / Miscellaneous     Width     44.2cm	Management	SNMP v1/v2/v3		
HGMP     System logs and alarms of different levels     GVRP     MUX VLAN     Power Device   Power supply - support PoE+     Power Redundancy   No     Voltage Required   AC 120/230 V (50/60 Hz)     Width   44.2cm	Management and maintenance	RMON		
System logs and alarms of different levels     GVRP     MUX VLAN     Power Device   Power Supply Specifications     Power Redundancy   Power supply - support PoE+     Power Redundancy   AC 120/230 V (50/60 Hz)     Voltage Required   AC 120/230 V (50/60 Hz)     Width   44.2cm		Web NMS		
GVRP   MUX VLAN   Power Device Power supply Specifications   Power Redundancy Power supply - support PoE+   Voltage Required AC 120/230 V (50/60 Hz)   Dimensions / Weight / Miscellaneous   Width 44.2cm		HGMP		
MUX VLAN   Power Supply Specifications   Power Device Power supply - support PoE+   Power Redundancy No   Voltage Required AC 120/230 V (50/60 Hz)   Dimensions / Weight / Miscellaneous   Width 44.2cm		System logs and alarms of different levels		
Power Device   Power supply - support PoE+     Power Redundancy   No     Voltage Required   AC 120/230 V (50/60 Hz)     Dimensions / Weight / Miscellaneous     Width   44.2cm		GVRP		
Power Device Power supply - support PoE+   Power Redundancy No   Voltage Required AC 120/230 V (50/60 Hz)   Dimensions / Weight / Miscellaneous   Width 44.2cm		MUX VLAN		
Power Redundancy No   Voltage Required AC 120/230 V (50/60 Hz)   Dimensions / Weight / Miscellaneous   Width 44.2cm	Power Supply Specifications			
Voltage Required AC 120/230 V (50/60 Hz)   Dimensions / Weight / Miscellaneous   Width 44.2cm	Power Device	Power supply - support PoE+		
Dimensions / Weight / Miscellaneous   Width 44.2cm	Power Redundancy	No		
Width 44.2cm	Voltage Required	AC 120/230 V (50/60 Hz)		
	Dimensions / Weight / Miscellaneous			
Danth (13 form	Width	44.2cm		
45.00III	Depth	43.6cm		
Height 22.0cm	Height	22.0cm		
Weight 5.0kg	Weight	5.0kg		



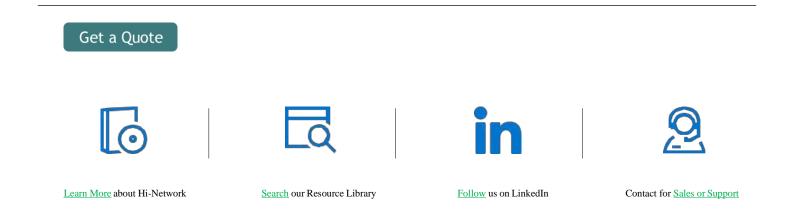
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## Datasheet

System Software		
Software Version	Standard Version	
Manufacturer Warranty		
Service & Support	1 year warranty	

## Want to Buy



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