H3C S5170-EI & S5570S-EI Switch Series

Hardware Information and Specifications

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Document version: 6W105-20241217

Preface

This document describes hardware information and specifications for H3C S5170-EI & S5570S-EI switch series, covering the product models and technical specifications, chassis views, removable components and their compatibilities, ports and LEDs, and cooling system.

This preface includes the following topics about the documentation:

Audience

This documentation is intended for:

- Network planners.
- Field technical support and servicing engineers.
- Network administrators working with the S5170-EI & S5570S-EI switch series.

Conventions

The following information describes the conventions used in the documentation.

Command conventions

Convention	Description
Boldface	**Bold** text represents commands and keywords that you enter literally as shown.
Italic	*Italic* text represents arguments that you replace with actual values.
[ ]	Square brackets enclose syntax choices (keywords or arguments) that are optional.
{ x | y | ... }	Braces enclose a set of required syntax choices separated by vertical bars, from which you select one.
[x | y | ...]	Square brackets enclose a set of optional syntax choices separated by vertical bars, from which you select one or none.
{ x | y | ... } *	Asterisk marked braces enclose a set of required syntax choices separated by vertical bars, from which you select a minimum of one.
[x | y | ...] *	Asterisk marked square brackets enclose optional syntax choices separated by vertical bars, from which you select one choice, multiple choices, or none.
&<1-n>	The argument or keyword and argument combination before the ampersand (&) sign can be entered 1 to n times.
#	A line that starts with a pound (#) sign is comments.

GUI conventions

Convention	Description
Boldface	Window names, button names, field names, and menu items are in Boldface. For example, the **New User** window opens; click **OK**.
>	Multi-level menus are separated by angle brackets. For example, **File** > **Create** >

Convention	Description
	Folder.

Symbols

Convention	Description
WARNING!	An alert that calls attention to important information that if not understood or followed can result in personal injury.
CAUTION:	An alert that calls attention to important information that if not understood or followed can result in data loss, data corruption, or damage to hardware or software.
IMPORTANT:	An alert that calls attention to essential information.
NOTE:	An alert that contains additional or supplementary information.
TIP:	An alert that provides helpful information.

Network topology icons

Convention	Description
	Represents a generic network device, such as a router, switch, or firewall.
	Represents a routing-capable device, such as a router or Layer 3 switch.
	Represents a generic switch, such as a Layer 2 or Layer 3 switch, or a router that supports Layer 2 forwarding and other Layer 2 features.
	Represents an access controller, a unified wired-WLAN module, or the access controller engine on a unified wired-WLAN switch.
	Represents an access point.
	Represents a wireless terminator unit.
	Represents a wireless terminator.
	Represents a mesh access point.
	Represents omnidirectional signals.
	Represents directional signals.
	Represents a security product, such as a firewall, UTM, multiservice security gateway, or load balancing device.
	Represents a security module, such as a firewall, load balancing, NetStream, SSL VPN, IPS, or ACG module.

Examples provided in this document

Examples in this document might use devices that differ from your device in hardware model, configuration, or software version. It is normal that the port numbers, sample output, screenshots, and other information in the examples differ from what you have on your device.

Documentation feedback

You can e-mail your comments about product documentation to info@h3c.com.

We appreciate your comments.

Contents

Product models and technical specifications

Unless otherwise stated, power supplies and power modules are used interchangeably in this document.

Product models

Table 1 Switch series and models

Switch series	Model	Product code (PID)
S5170-EI switch series	S5170-28S-EI	LS-5170-28S-EI
		LS-5170-28S-EI-GL
	S5170-54S-EI	LS-5170-54S-EI
		LS-5170-54S-EI-GL
	S5170-54S-EI-DP	LS-5170-54S-EI-DP
	S5170-28S-HPWR-EI	LS-5170-28S-HPWR-EI
		LS-5170-28S-HPWR-EI-GL
	S5170-54S-PWR-EI	LS-5170-54S-PWR-EI
		LS-5170-54S-PWR-EI-GL
	S5170-36F-EI	LS-5170-36F-EI
	S5170-36F-EI-DP	LS-5170-36F-EI-DP
S5570S-EI switch series	S5570S-28S-EI	LS-5570S-28S-EI
		LS-5570S-28S-EI-GL
	S5570S-54S-EI	LS-5570S-54S-EI
		LS-5570S-54S-EI-GL
	S5570S-28S-HPWR-EI	LS-5570S-28S-HPWR-EI
	S5570S-28S-HPWR-EI-A	LS-5570S-28S-HPWR-EI-A
		LS-5570S-28S-HPWR-EI-A-GL
	S5570S-54S-PWR-EI	LS-5570S-54S-PWR-EI
	S5570S-54S-PWR-EI-A	LS-5570S-54S-PWR-EI-A
		LS-5570S-54S-PWR-EI-A-GL
	S5570S-36F-EI	LS-5570S-36F-EI
		LS-5570S-36F-EI-GL
	S5570S-54F-EI	LS-5570S-54F-EI
		LS-5570S-54F-EI-GL
	S5570S-30MS-UPWR-EI	LS-5570S-30MS-UPWR-EI

NOTE:

- Switches of the same model but different PIDs might differ in hardware and software features. You can view the PID of a switch on the label located on its rear panel or top panel.
- The available chassis models and accessories vary by country and region. This document describes only the preceding models. For the chassis models and accessories available in your country or region, contact the local H3C marketing personnel.

Technical specifications

S5170-EI switch series

Table 2 Technical specifications for non-PoE switch models (1)

Item	S5170-28S-EI	S5170-54S-EI	S5170-36F-EI
Dimensions (H × W × D)	43.6 × 440 × 160 mm (1.72 × 17.32 × 6.30 in)	43.6 × 440 × 260 mm (1.72 × 17.32 × 10.24 in)	43.6 × 440 × 260 mm (1.72 × 17.32 × 10.24 in)
Weight	≤ 2.2 kg (4.85 lb)	≤ 4.0 kg (8.82 lb)	≤ 3.5 kg (7.72 lb)
Console port	1 × serial console port		
SFP port	N/A	N/A	24
SFP+ port	4	6	4
10/100/1000 BASE-T autosensing Ethernet port	24	48	8
Input voltage	AC input: • Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz • Max voltage range: 90 VAC to 264 VAC @ 47 Hz to 63 Hz	AC input: • Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz • Max voltage range: 85 VAC to 264 VAC @ 47 Hz to 63 Hz	AC input: • Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz • Max voltage range: 90 VAC to 264 VAC @ 47 Hz to 63 Hz
Minimum power consumption	17 W	19 W	27 W
Maximum power consumption	37 W	53 W	54 W
Chassis leakage current compliance	UL 62368-1/EN 62368-1/IEC 62368-1/UL 60950-1/EN 60950-1/IEC 60950-1/GB4943.1		
Melting current of power supply fuse	2 A/250 V	3.15 A/250 V	3.15 A/250 V
Operating temperature	–5°C to +45°C (23°F to 113°F)		
Operating humidity	5% RH to 95% RH, noncondensing		

Item	S5170-28S-EI	S5170-54S-EI	S5170-36F-EI
Fire resistance compliance	UL 62368-1/EN 62368-1/IEC 62368-1/UL 60950-1/EN 60950-1/IEC 60950-1/GB4943.1		

Table 3 Technical specifications for non-PoE switch models (2)

Item	S5170-54S-EI-DP	S5170-36F-EI-DP
Dimensions (H × W × D)	43.6 × 440 × 320 mm (1.72 × 17.32 × 12.60 in)	43.6 × 440 × 260 mm (1.72 × 17.32 × 10.24 in)
Weight	≤ 4.3 kg (9.48 lb)	≤ 3.6 kg (7.94 lb)
Console port	1 × serial console port	
SFP port	N/A	24
SFP+ port	6	4
10/100/1000 BASE-T autosensing Ethernet port	48	8
Input voltage	AC input: • Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz • Max voltage range: 90 VAC to 264 VAC @ 47 Hz to 63 Hz	
Minimum power consumption	• Single AC input: 23.5 W • Dual AC inputs: 24 W	• Single AC input: 24.5 W • Dual AC inputs: 25 W
Maximum power consumption	• Single AC input: 61.5 W • Dual AC inputs: 62 W	• Single AC input: 60.5 W • Dual AC inputs: 61 W
Chassis leakage current compliance	UL62368-1/EN62368-1/IEC62368-1/UL60950-1/EN60950-1/IEC60950-1/GB4943.1	
Melting current of power supply fuse	3.15 A/250 V	
Operating temperature	–5°C to +45°C (23°F to 113°F)	
Operating humidity	5% RH to 95% RH, noncondensing	
Fire resistance compliance	UL62368-1/EN62368-1/IEC62368-1/UL60950-1/EN60950-1/IEC60950-1/GB4943.1	

Table 4 Technical specifications for PoE switch models

Item	S5170-28S-HPWR-EI	S5170-54S-PWR-EI
Dimensions (H × W × D)	43.6 × 440 × 320 mm (1.72 × 17.32 × 12.60 in)	43.6 × 440 × 320 mm (1.72 × 17.32 × 12.60 in)
Weight	≤ 5.0 kg (11.02 lb)	≤ 5.5 kg (12.13 lb)

Item	S5170-28S-HPWR-EI	S5170-54S-PWR-EI
Console port	1 × serial console port	
SFP+ port	4	6
10/100/1000 BASE-T autosensing Ethernet port	24	48
Input voltage	AC input: • Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz • Max voltage range: 90 VAC to 264 VAC @ 47 Hz to 63 Hz	

PoE power capacity	• Total PoE power capacity: 370 W
	• Max PoE power capacity per port
	  ○ In R1111 and earlier: 30 W
	  ○ In R1112 and later: 35 W	

Minimum power consumption	24 W	30 W
Maximum power consumption (including PoE power consumption)	460 W	470 W
Power efficiency	80 plus gold certified	80 plus gold certified
Chassis leakage current compliance	UL 62368-1/EN 62368-1/IEC 62368-1/UL 60950-1/EN 60950-1/IEC 60950-1/GB4943.1	
Melting current of power supply fuse	10 A/250 V	
Operating temperature	–5°C to +45°C (23°F to 113°F)	
Operating humidity	5% RH to 95% RH, noncondensing	
Fire resistance compliance	UL 62368-1/EN 62368-1/IEC 62368-1/UL 60950-1/EN 60950-1/IEC 60950-1/GB4943.1	

S5570S-EI switch series

Table 5 Technical specifications for non-PoE switch models

Item	S5570S-28S-EI	S5570S-54S-EI	S5570S-36F-EI	S5570S-54F-EI
Dimensions (H × W × D)	43.6 × 440 × 360 mm (1.72 × 17.32 × 14.17 in)	43.6 × 440 × 360 mm (1.72 × 17.32 × 14.17 in)	43.6 × 440 × 360 mm (1.72 × 17.32 × 14.17 in)	43.6 × 440 × 360 mm (1.72 × 17.32 × 14.17 in)

Item	S5570S-28S-EI	S5570S-54S-EI	S5570S-36F-EI	S5570S-54F-EI
Weight	≤ 5.6 kg (12.35 lb)	≤ 6.0 kg (13.23 lb)	≤ 4.5 kg (9.92 lb)	≤ 4.5 kg (9.92 lb)
Console port	1 × serial console port			
Management Ethernet port	N/A	N/A	N/A	1
SFP port	N/A	N/A	24	48
SFP+ port	4	6	4	6
10/100/1000 BASE-T autosensing Ethernet port	24	48	8	N/A
Power supply slot	2, on the rear panel			

Input voltage	• CA-70A12 power supply:
	  ○ Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz
	  ○ Max voltage range: 90 VAC to 290 VAC @ 47 Hz to 63 Hz
	• PSR75-12A power module:
	  ○ Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz
	  ○ Max voltage range: 90 VAC to 290 VAC @ 47 Hz to 63 Hz
	• PSR150-D1 power supply:
	  ○ Rated voltage range: –48 VDC to –60 VDC
	  ○ Max voltage range: –36 VDC to –72 VDC
	  ○ DC power source for the PSR150-D1 power supply: –48 VDC power source in the equipment room or an RPS (H3C RPS800-A or RPS1600-A)			

Minimum power consumption	• Single AC input: 16 W • Dual AC inputs: 18 W • Single DC input: 22 W • Dual DC inputs: 27 W	• Single AC input: 18 W • Dual AC inputs: 23 W • Single DC input: 23 W • Dual DC inputs: 29 W	• Single AC input: 29 W • Dual AC inputs: 35 W • Single DC input: 30 W • Dual DC inputs: 35 W	• Single AC input: 36 W • Dual AC inputs: 43 W • Single DC input: 38 W • Dual DC inputs: 43 W
Maximum power consumption	• Single AC input: 37 W • Dual AC inputs: 39 W • Single DC input: 41 W • Dual DC inputs: 45 W	• Single AC input: 55 W • Dual AC inputs: 57 W • Single DC input: 56 W • Dual DC inputs: 61 W	• Single AC input: 52 W • Dual AC inputs: 58 W • Single DC input: 54 W • Dual DC inputs: 60 W	• Single AC input: 77 W • Dual AC inputs: 80 W • Single DC input: 77 W • Dual DC inputs: 84 W
Chassis leakage current compliance	UL 62368-1/EN 62368-1/IEC 62368-1/UL 60950-1/EN 60950-1/IEC 60950-1/GB4943.1			
Melting current of power supply fuse	• CA-70A12 power supply: 10 A/250 V • PSR75-12A power module: 3.15 A/250 V • PSR150-D1 power supply: 8 A/250 V			
Operating temperature	–5°C to +45°C (23°F to 113°F)			
Operating	5% RH to 95% RH, noncondensing			

Item	S5570S-28S-EI	S5570S-54S-EI	S5570S-36F-EI	S5570S-54F-EI
humidity				
Fire resistance compliance	UL 62368-1/EN 62368-1/IEC 62368-1/UL 60950-1/EN 60950-1/IEC 60950-1/GB4943.1			

Table 6 Technical specifications for PoE switch models (1)

Item	S5570S-28S-HPWR-EI	S5570S-54S-PWR-EI	S5570S-30MS-UPWR-EI
Dimensions (H × W × D)	43.6 × 440 × 460 mm (1.72 × 17.32 × 18.11 in)	43.6 × 440 × 460 mm (1.72 × 17.32 × 18.11 in)	43.6 × 440 × 460 mm (1.72 × 17.32 × 18.11 in)
Weight	≤ 5.5 kg (12.13 lb)	≤ 6.0 kg (13.23 lb)	≤ 8.5 kg (18.74 lb)
Console port	1 × serial console port		
SFP+ port	4	6	6
2.5G/1000/100BASE-T-PoE++ autosensing Ethernet port	N/A	N/A	24
10/100/1000 BASE-T autosensing Ethernet port	24	48	N/A
Power supply slot	2, on the rear panel		

Input voltage	• PSR180-56A power module (S5570S-28S-HPWR-EI and S5570S-54S-PWR-EI):
	  ○ Rated voltage range for AC input: 100 VAC to 240 VAC @ 50 Hz or 60 Hz
	  ○ Rated voltage for DC input: 240 VDC
	  ○ Max voltage range for AC input: 85 VAC to 290 VAC @ 47 Hz to 63 Hz
	  ○ Max voltage range for DC input: 180 VDC to 320 VDC
	• PSR360-56A/PSR720-56A power module:
	  ○ Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz
	  ○ Max voltage range: 90 VAC to 264 VAC @ 47 Hz to 63 Hz
	• PSR1110-56A power module:
	  ○ Rated voltage range: 115 VAC to 240 VAC @ 50 Hz or 60 Hz
	  ○ Max voltage range: 102.5 VAC to 264 VAC @ 47 Hz to 63 Hz
	• PSR560-56D power module:
	  ○ Rated voltage range: –48 VDC to –60 VDC
	  ○ Max voltage range: –36 VDC to –72 VDC
	  ○ DC power source for the PSR560-56D power module: –48 VDC power source in the equipment room or an RPS (H3C RPS1600-A)		

PoE power capacity	Depends on the power supply configurations. For more information, see Table 8.		
Minimum power consumption	• Single AC input: 42 W • Dual AC inputs: 50 W • Single DC input: 39 W • Dual DC inputs: 55 W	• Single AC input: 47 W • Dual AC inputs: 62 W • Single DC input: 46 W • Dual DC inputs: 64 W	• Single AC input: 47 W • Dual AC inputs: 56 W • Single DC input: 45 W • Dual DC inputs: 64 W
Maximum power consumption (including	• Single AC input: 870 W • Dual AC inputs: 867 W • Single DC input: 630 W	• Single AC input: 1290 W • Dual AC inputs: 1700 W	• Single AC input: 1270 W • Dual AC inputs: 2430 W

Item	S5570S-28S-HPWR-EI	S5570S-54S-PWR-EI	S5570S-30MS-UPWR-EI
PoE power consumption)	• Dual DC inputs: 873 W	• Single DC input: 650 W • Dual DC inputs: 1342 W	• Single DC input: 670 W • Dual DC inputs: 1350 W
Chassis leakage current compliance	UL 62368-1/EN 62368-1/IEC 62368-1/UL 60950-1/EN 60950-1/IEC 60950-1/GB4943.1		

Melting current of power supply fuse	• PSR180-56A power module:
	  ○ AC: 6.3 A/500 V
	  ○ DC: 6.3 A/400 V
	• PSR360-56A power module: 10 A/250 V
	• PSR720-56A power module: 10 A/250 V
	• PSR1110-56A power module: 15 A/250 V
	• PSR560-56D power module: 30 A/250 V		

Operating temperature	–5°C to +45°C (23°F to 113°F)		
Operating humidity	5% RH to 95% RH, noncondensing		
Fire resistance compliance	UL 62368-1/EN 62368-1/IEC 62368-1/UL 60950-1/EN 60950-1/IEC 60950-1/GB4943.1		

Table 7 Technical specifications for PoE switch models (2)

Item	S5570S-28S-HPWR-EI-A	S5570S-54S-PWR-EI-A
Dimensions (H × W × D)	44 × 440 × 400 mm (1.73 × 17.32 × 15.75 in)	44 × 440 × 400 mm (1.73 × 17.32 × 15.75 in)
Weight	≤ 7.5 kg (16.53 lb)	≤ 7.5 kg (16.53 lb)
Console port	1 × serial console port	
SFP+ port	4	6
10/100/1000 BASE-T autosensing Ethernet port	24	48
Power supply slots	2, on the rear panel	2, on the rear panel
Input voltage	• Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz • Max voltage range: 90 VAC to 290 VAC @ 47 Hz to 63 Hz	
PoE power capacity	Depends on the power supply configuration. For more information, see Table 9.	
Minimum power consumption	Single power supply: 27 W Dual power supplies: 35 W	Single power supply: 32 W Dual power supplies: 39 W
Maximum power consumption (including PoE output)	Single power supply: 965 W Dual power supplies: 960 W	Single power supply: 1668 W Dual power supplies: 1935 W

Item	S5570S-28S-HPWR-EI-A	S5570S-54S-PWR-EI-A
Chassis leakage current compliance	UL 62368-1/EN 62368-1/IEC 62368-1/UL 60950-1/EN 60950-1/IEC 60950-1/GB4943.1	
Melting current of power supply fuse	• PSR600-54A-B: 10 A/500 V • PSR920-54A-B: 16 A/250 V • PSR1600-54A-B: 16 A/250 V	
Operating temperature	–5°C to +45°C (23°F to 113°F)	
Operating humidity	5% RH to 95% RH, noncondensing	
Fire resistance compliance	UL 62368-1/EN 62368-1/IEC 62368-1/UL 60950-1/EN 60950-1/IEC 60950-1/GB4943.1	

Table 8 PoE power capacity of the S5570S-EI PoE switch models (1)

Power supply configuration	S5570S-28S-HPWR-EI		S5570S-54S-PWR-EI		S5570S-30MS-UPWR-EI	
	Total PoE power capacity	Max PoE power capacity per port	Total PoE power capacity	Max PoE power capacity per port	Total PoE power capacity	Max PoE power capacity per port
2 × PSR1110-56A	810 W	In R1111 and earlier: 30 W In R1112 and later: 35 W	1680 W	In R1111 and earlier: 30 W In R1112 and later: 35 W	2140 W	90 W
1 × PSR1110-56A and 1 × PSR720-56A	810 W		1680 W		1750 W	90 W
1 × PSR1110-56A and 1 × PSR560-56D	810 W		1600 W		1590 W	90 W
1 × PSR1110-56A and 1 × PSR360-56A	810 W		1400 W		1390 W	90 W
1 ×PSR1110-56A	810 W		1040 W		1040 W	90 W
2 × PSR720-56A	810 W		1370 W		1360 W	90 W
1× PSR720-56A and 1 × PSR560-56D	810 W		1210 W		1200 W	90 W
1× PSR720-56A and 1 × PSR360-56A	810 W		1010 W		1000 W	90 W
1 × PSR720-56A	650 W		650 W		650 W	90 W

Power supply configuration	S5570S-28S-HPWR-EI		S5570S-54S-PWR-EI		S5570S-30MS-UPWR-EI	
	Total PoE power capacity	Max PoE power capacity per port	Total PoE power capacity	Max PoE power capacity per port	Total PoE power capacity	Max PoE power capacity per port
2 × PSR560-56D	810 W		1050 W		1040 W	90 W
1 × PSR560-56D and 1 × PSR360-56A	810 W		850 W		840 W	90 W
1 × PSR560-56D	490 W		490 W		490 W	90 W
2 × PSR360-56A	650 W		650 W		640 W	90 W
1 × PSR360-56A	290 W		290 W		290 W	90 W
1 × PSR1110-56A and 1 × PSR180-56A	185 W		185 W		N/A	N/A
1 × PSR720-56A and 1 × PSR180-56A	185 W		185 W		N/A	N/A
1 × PSR560-56D and 1 × PSR180-56A	185 W		185 W		N/A	N/A
1 × PSR360-56A and 1 × PSR180-56A	185 W		185 W		N/A	N/A
2 × PSR180-56A	185 W		185 W		N/A	N/A
1 × PSR180-56A	90 W		90 W		N/A	N/A

Table 9 PoE power capacity of the S5570S-EI PoE switch models (2)

Power supply configuration	S5570S-28S-HPWR-EI-A		S5570S-54S-PWR-EI-A	
	Total PoE power capacity	Max PoE power capacity per port	Total PoE power capacity	Max PoE power capacity per port
1 × PSR600-54A-B	530 W	35 W	530 W	35 W
1 × PSR920-54A-B	840 W		850 W	
1 × PSR1600-54A-B (input voltage: 90 VAC to 176 VAC)	840 W		850 W	

Power supply configuration	S5570S-28S-HPWR-EI-A		S5570S-54S-PWR-EI-A	
	Total PoE power capacity	Max PoE power capacity per port	Total PoE power capacity	Max PoE power capacity per port
1 × PSR1600-54A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	840 W		1530 W	
2 × PSR600-54A-B	840 W		1100 W	
1 × PSR600-54A-B and 1 × PSR920-54A-B	840 W		1100 W	
2 × PSR920-54A-B	840 W		1680 W	
1 × PSR920-54A-B and 1 × PSR1600-54A-B (input voltage: 90 VAC to 176 VAC)	840 W		1340 W	
1 × PSR920-54A-B and 1 × PSR1600-54A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	840 W		1680 W	
2 × PSR1600-54A-B	840 W		1680 W	

IMPORTANT:

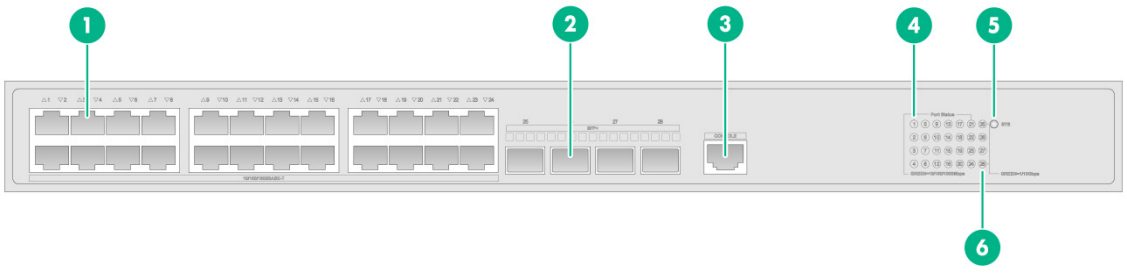
Do not install the PSR600-54A-B and PSR1600-54A-B power supplies on the same switch.

Chassis views

S5170-EI switch series

S5170-28S-EI

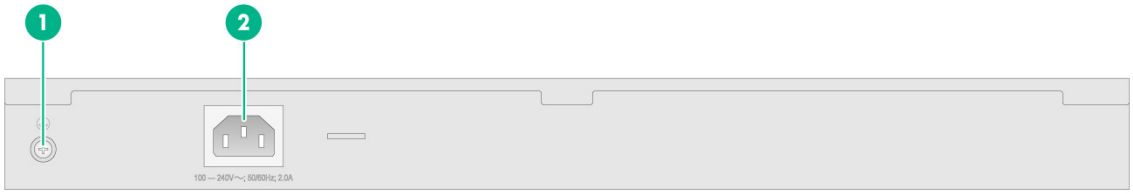
Figure 1 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port (2) SFP+ port

(3) Serial console port (CONSOLE)	(4) 10/100/1000BASE-T autosensing Ethernet port LED
(5) System status LED (SYS)	(6) SFP+ port LED

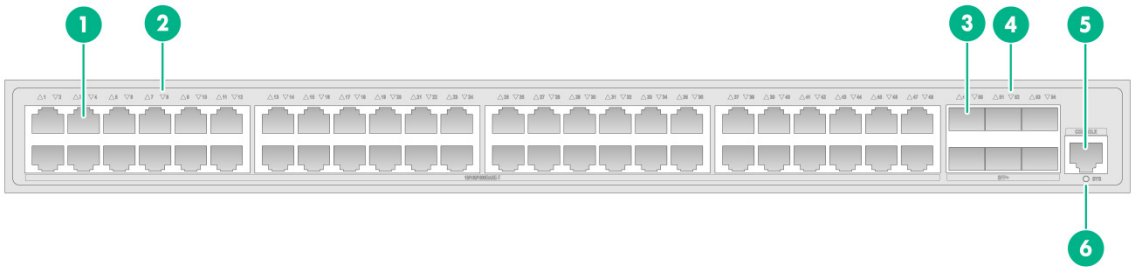
Figure 2 Rear panel



(1) Grounding screw	(2) AC-input power receptacle

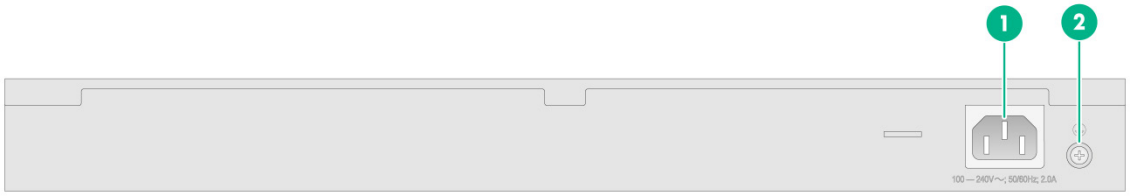
S5170-54S-EI

Figure 3 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) 10/100/1000BASE-T autosensing Ethernet port LED
(3) SFP+ port	(4) SFP+ port LED
(5) Serial console port (CONSOLE)	(6) System status LED (SYS)

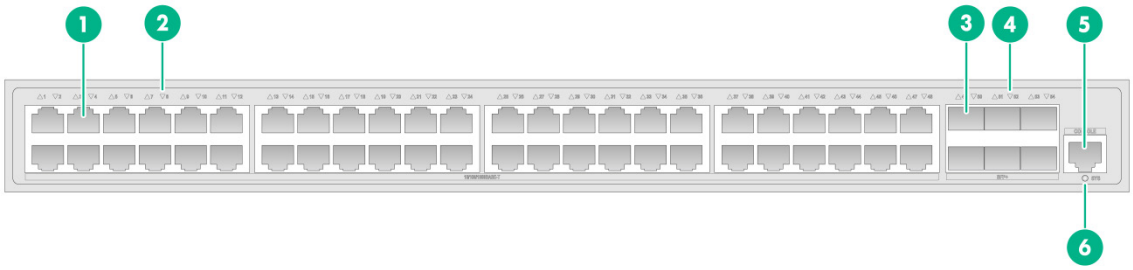
Figure 4 Rear panel



(1) AC-input power receptacle	(2) Grounding screw

S5170-54S-EI-DP

Figure 5 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) 10/100/1000BASE-T autosensing Ethernet port LED
(3) SFP+ port	(4) SFP+ port LED
(5) Serial console port (CONSOLE)	(6) System status LED (SYS)

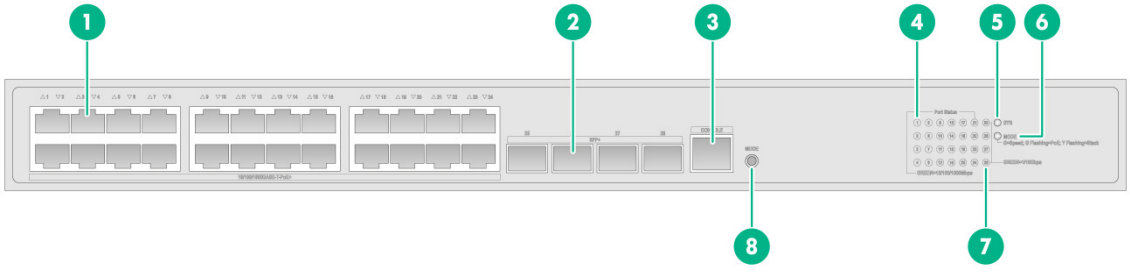
Figure 6 Rear panel

(1) Grounding screw	(2) AC-input power receptacle 1
(3) AC-input power receptacle 2	

The S5170-54S-EI-DP switch has two power input receptacles on the rear panel. You can use one power feed or two power feeds for 1+1 redundancy for the switch.

S5170-28S-HPWR-EI

Figure 7 Front panel



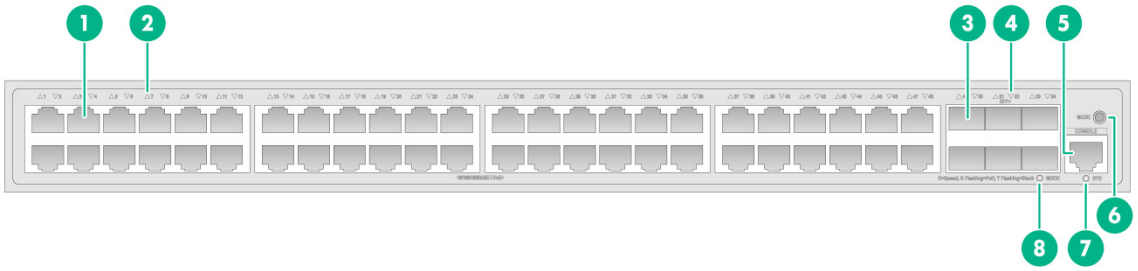
(1) 10/100/1000BASE-T-PoE+ autosensing Ethernet port	(2) SFP+ port
(3) Serial console port (CONSOLE)	(4) 10/100/1000BASE-T-PoE+ autosensing Ethernet port LED
(5) System status LED (SYS)	(6) Mode LED (MODE)
(7) SFP+ port LED	(8) Mode button

Figure 8 Rear panel

(1) Grounding screw	(2) AC-input power receptacle

S5170-54S-PWR-EI

Figure 9 Front panel



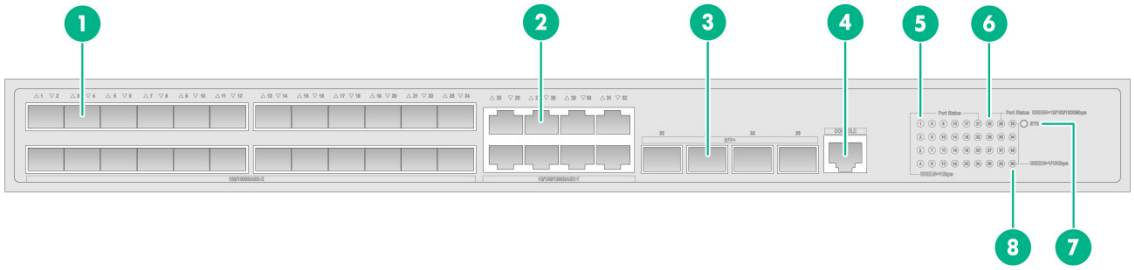
(1) 10/100/1000BASE-T-PoE+ autosensing Ethernet port	(2) 10/100/1000BASE-T-PoE+ autosensing Ethernet port LED
(3) SFP+ port	(4) SFP+ port LED
(5) Serial console port (CONSOLE)	(6) Mode button
(7) System status LED (SYS)	(8) Mode LED (MODE)

Figure 10 Rear panel

(1) Grounding screw	(2) AC-input power receptacle

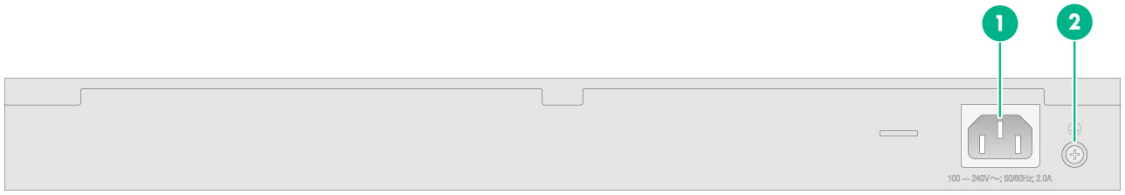
S5170-36F-EI

Figure 11 Front panel



(1) SFP port	(2) 10/100/1000BASE-T autosensing Ethernet port
(3) SFP+ port	(4) Serial console port (CONSOLE)
(5) SFP port LED	(6) 10/100/1000BASE-T autosensing Ethernet port LED
(7) System status LED (SYS)	(8) SFP+ port LED

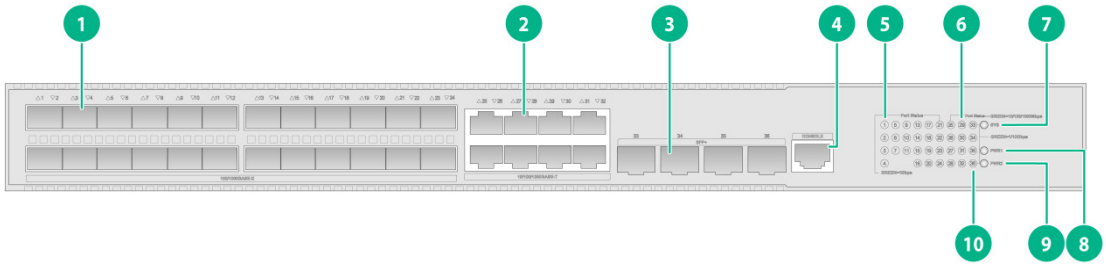
Figure 12 Rear panel



(1) AC-input power receptacle	(2) Grounding screw

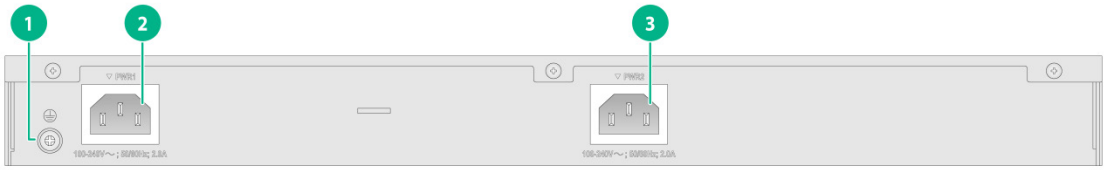
S5170-36F-EI-DP

Figure 13 Front panel



(1) SFP port	(2) 10/100/1000BASE-T autosensing Ethernet port
(3) SFP+ port	(4) Serial console port (CONSOLE)
(5) SFP port LED	(6) 10/100/1000BASE-T autosensing Ethernet port LED
(7) System status LED (SYS)	(8) AC power status LED 1 (PWR1)
(9) AC power status LED 2 (PWR2)	(10) SFP+ port LED

Figure 14 Rear panel



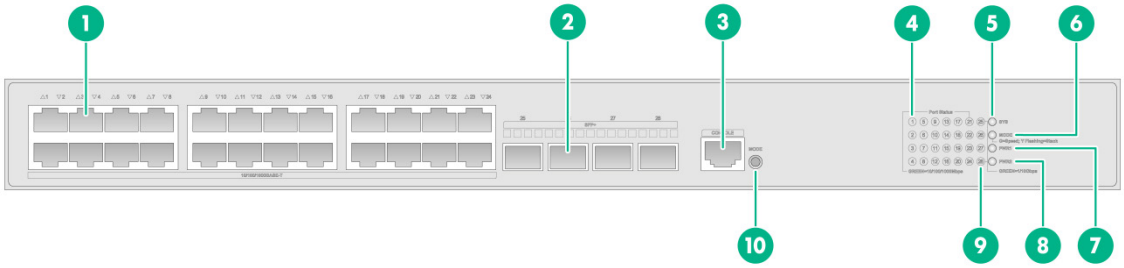
(1) Grounding screw	(2) AC-input power receptacle 1
(3) AC-input power receptacle 2	

The S5170-36F-EI-DP switch has two power input receptacles on the rear panel. You can use one power feed or two power feeds for 1+1 redundancy for the switch.

S5570S-EI switch series

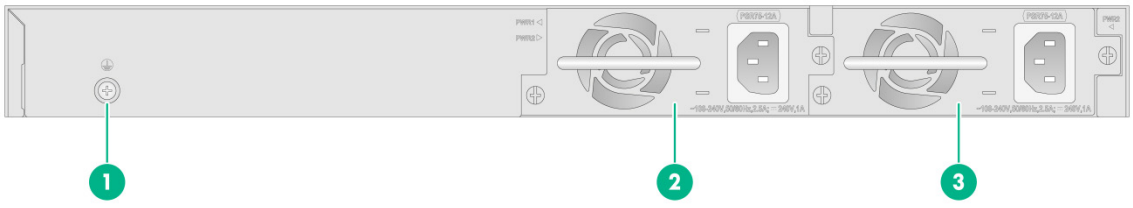
S5570S-28S-EI

Figure 15 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) SFP+ port
(3) Serial console port (CONSOLE)	(4) 10/100/1000BASE-T autosensing Ethernet port LED
(5) System status LED (SYS)	(6) Mode LED (MODE)
(7) Power supply 1 status LED (PWR1)	(8) Power supply 2 status LED (PWR2)
(9) SFP+ port LED	(10) Mode button

Figure 16 Rear panel



(1) Grounding screw	(2) Power supply 1 (PWR1)
(3) Power supply 2 (PWR2)	

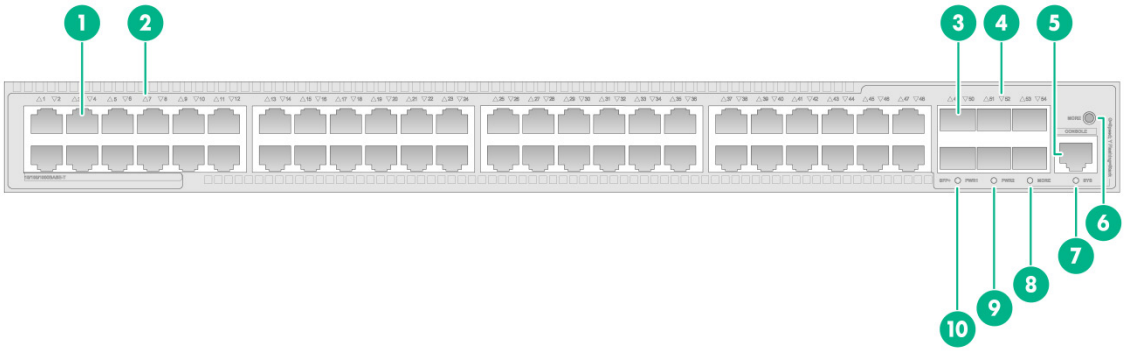
The S5570S-28S-EI switch has two power supply slots on the rear panel. You can install one or two power supplies for the switch as required. In Figure 16, two PSR75-12A AC power modules are installed in the power supply slots.

The S5570S-28S-EI switch with a product code of LS-5570S-28S-EI is shipped with power supply slot PWR1 empty and power supply slot PWR2 installed with a filler panel.

The S5570S-28S-EI switch with a product code of LS-5570S-28S-EI-GL supports shipment with power supplies installed. If you hope that the switch is shipped with the purchased power supplies installed, contact the H3C sales personnel.

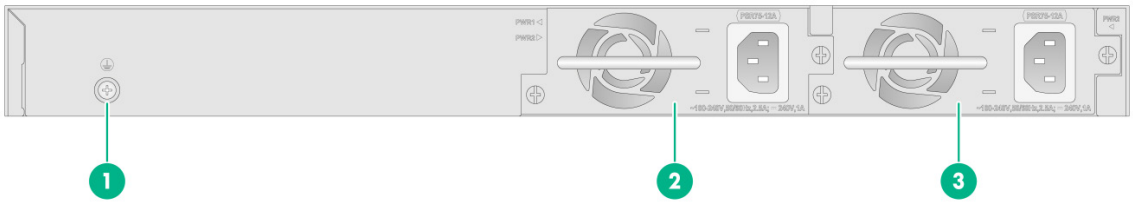
S5570S-54S-EI

Figure 17 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) 10/100/1000BASE-T autosensing Ethernet port LED
(3) SFP+ port	(4) SFP+ port LED
(5) Serial console port (CONSOLE)	(6) Mode button
(7) System status LED (SYS)	(8) Mode LED (MODE)
(9) Power supply 2 status LED (PWR2)	(10) Power supply 1 status LED (PWR1)

Figure 18 Rear panel



(1) Grounding screw	(2) Power supply 1 (PWR1)
(3) Power supply 2 (PWR2)	

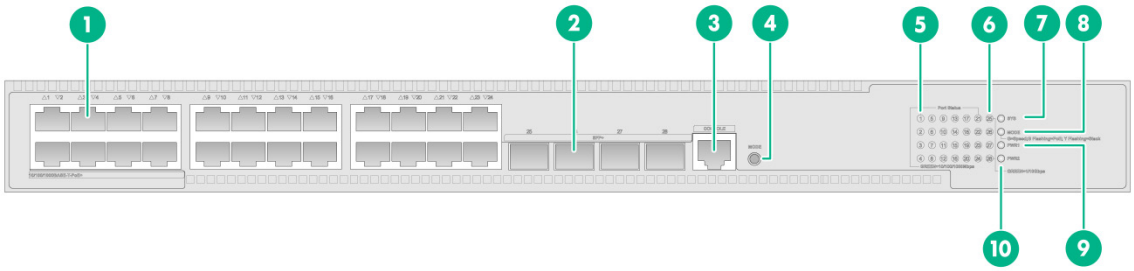
The S5570S-54S-EI switch has two power supply slots on the rear panel. You can install one or two power supplies for the switch as required. In Figure 18, two PSR75-12A AC power modules are installed in the power supply slots.

The S5570S-54S-EI switch with a product code of LS-5570-54S-EI is shipped with power supply slot PWR1 empty and power supply slot PWR2 installed with a filler panel.

The S5570S-54S-EI switch with a product code of LS-5570-54S-EI-GL supports shipment with power supplies installed. If you hope that the switch is shipped with the purchased power supplies installed, contact the H3C sales personnel.

S5570S-28S-HPWR-EI

Figure 19 Front panel



(1) 10/100/1000BASE-T-PoE+ autosensing Ethernet port	(2) SFP+ port
(3) Serial console port (CONSOLE)	(4) Mode button
(5) 10/100/1000BASE-T-PoE+ autosensing Ethernet port LED	(6) SFP+ port LED
(7) System status LED (SYS)	(8) Mode LED (MODE)
(9) Power supply 1 status LED (PWR1)	(10) Power supply 2 status LED (PWR2)

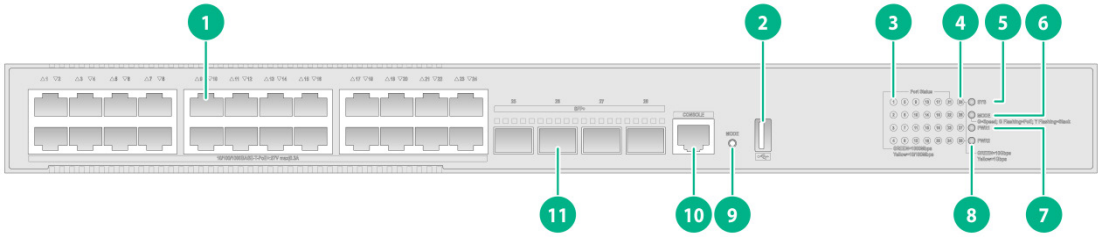
Figure 20 Rear panel

(1) Grounding screw	(2) Power supply 1 (PWR1)
(3) Power supply 2 (PWR2)	

The S5570S-28S-HPWR-EI switch has two power supply slots on the rear panel and came with power supply slot PWR1 empty and power supply slot PWR2 installed with a filler panel. You can install one or two power supplies for the switch as required. In Figure 20, two PSR360-56A AC power modules are installed in the power supply slots.

S5570S-28S-HPWR-EI-A

Figure 21 Front panel



(1) 10/100/1000BASE-T-PoE+ autosensing Ethernet port	(2) USB port
(3) 10/100/1000BASE-T-PoE+ autosensing Ethernet port LED	(4) SFP+ port LED

(5) System status LED (SYS)	(6) Mode LED (MODE)
(7) Power supply 1 status LED (PWR1)	(8) Power supply 2 status LED (PWR2)
(9) Mode button	(10) Serial console port
(11) SFP+ port	

Figure 22 Rear panel

(1) Grounding screw	(2) Power supply 1 (PWR1)
(3) Power supply 2 (PWR2)	

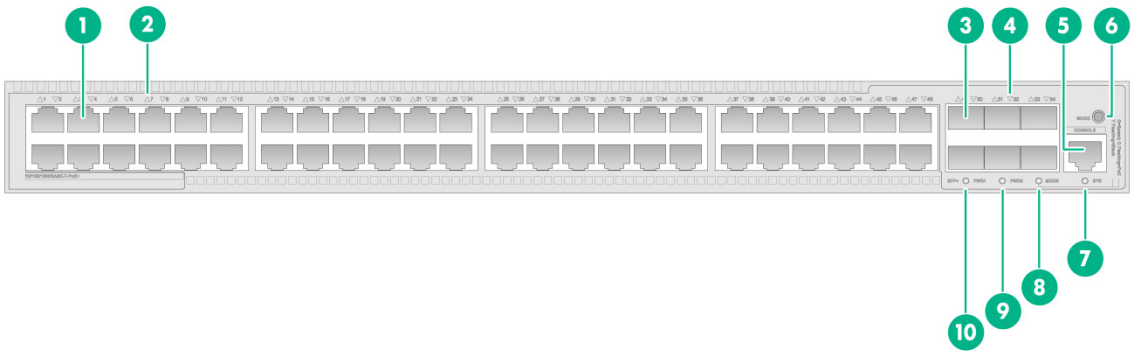
The S5570S-28S-HPWR-EI-A switch has two power supply slots on the rear panel. You can install one or two power supplies for the switch as required. In Figure 22, two PSR600-54A-B AC power supplies are installed in the power supply slots.

The S5570S-28S-HPWR-EI-A switch with product code LS-5570S-28S-HPWR-EI-A came with power supply 1 slot empty and power supply slot 2 installed with a filler panel.

The S5570S-28S-HPWR-EI-A switch with product code LS-5570S-28S-HPWR-EI-A-GL supports shipment with power supplies installed. To have the switch shipped with power supplies installed, contact the H3C marketing personnel and add your requirements to the order in advance.

S5570S-54S-PWR-EI

Figure 23 Front panel



(1) 10/100/1000BASE-T-PoE+ autosensing Ethernet port	(2) 10/100/1000BASE-T-PoE+ autosensing Ethernet port LED
(3) SFP+ port	(4) SFP+ port LED
(5) Serial console port (CONSOLE)	(6) Mode button
(7) System status LED (SYS)	(8) Mode LED (MODE)
(9) Power supply 2 status LED (PWR2)	(10) Power supply 1 status LED (PWR1)

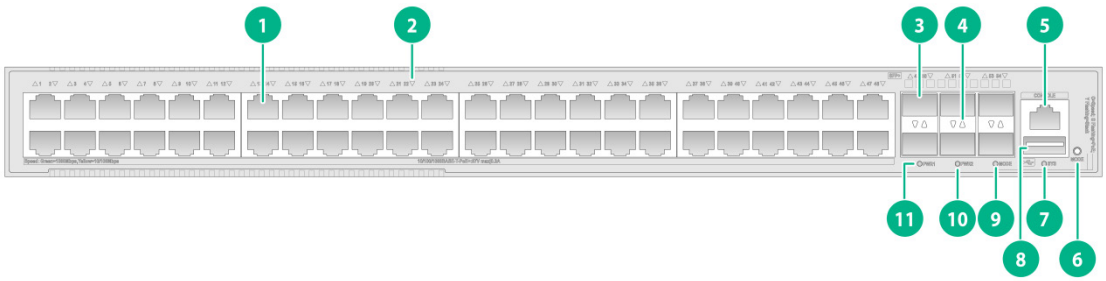
Figure 24 Rear panel

(1) Grounding screw	(2) Power supply 1 (PWR1)
(3) Power supply 2 (PWR2)	

The S5570S-54S-PWR-EI switch has two power supply slots on the rear panel and comes with power supply slot PWR1 empty and power supply slot PWR2 installed with a filler panel. You can install one or two power supplies for the switch as required. In Figure 24, two PSR720-56A power modules are installed in the power supply slots.

S5570S-54S-PWR-EI-A

Figure 25 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) 10/100/1000BASE-T autosensing Ethernet port LED
(3) SFP+ port	(4) SFP+ port LED
(5) Serial console port (CONSOLE)	(6) Mode button
(7) System status LED (SYS)	(8) USB port
(9) Mode LED (MODE)	(10) Power supply 2 status LED (PWR2)
(11) Power supply 1 status LED (PWR1)	

Figure 26 Rear panel

(1) Grounding screw	(2) Power supply 1 (PWR1)
(3) Power supply 2 (PWR2)	

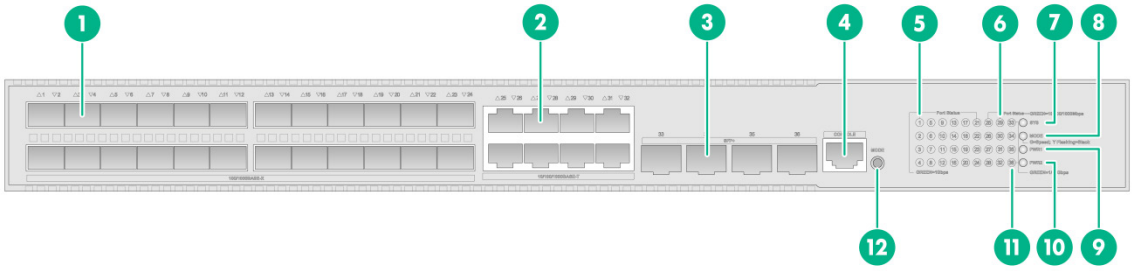
The S5570S-54S-PWR-EI-A switch has two power supply slots on the rear panel. You can install one or two power supplies for the switch as required. In Figure 26, two PSR600-54A-B AC power supplies are installed in the power supply slots.

The S5570S-54S-PWR-EI-A switch with product code LS-5570S-54S-PWR-EI-A came with power supply 1 slot empty and power supply slot 2 installed with a filler panel.

The S5570S-54S-PWR-EI-A switch with product code LS-5570S-54S-PWR-EI-A-GL supports shipment with power supplies installed. To have the switch shipped with power supplies installed, contact the H3C marketing personnel and add your requirements to the order in advance.

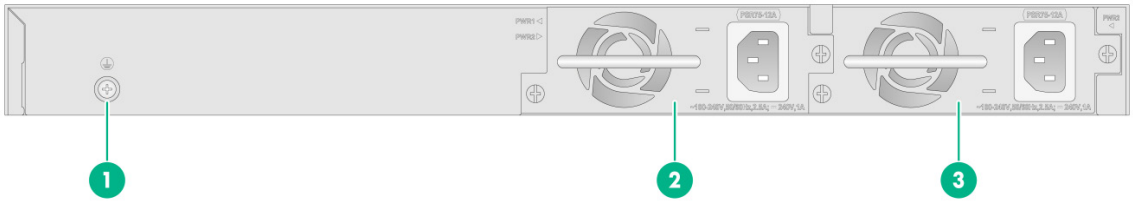
S5570S-36F-EI

Figure 27 Front panel



(1) SFP port	(2) 10/100/1000BASE-T autosensing Ethernet port
(3) SFP+ port	(4) Serial console port (CONSOLE)
(5) SFP port LED	(6) 10/100/1000BASE-T autosensing Ethernet port LED
(7) System status LED (SYS)	(8) Mode LED (MODE)
(9) Power supply 1 status LED (PWR1)	(10) Power supply 2 status LED (PWR2)
(11) SFP+ port LED	(12) Mode button

Figure 28 Rear panel



(1) Grounding screw	(2) Power supply 1 (PWR1)
(3) Power supply 2 (PWR2)	

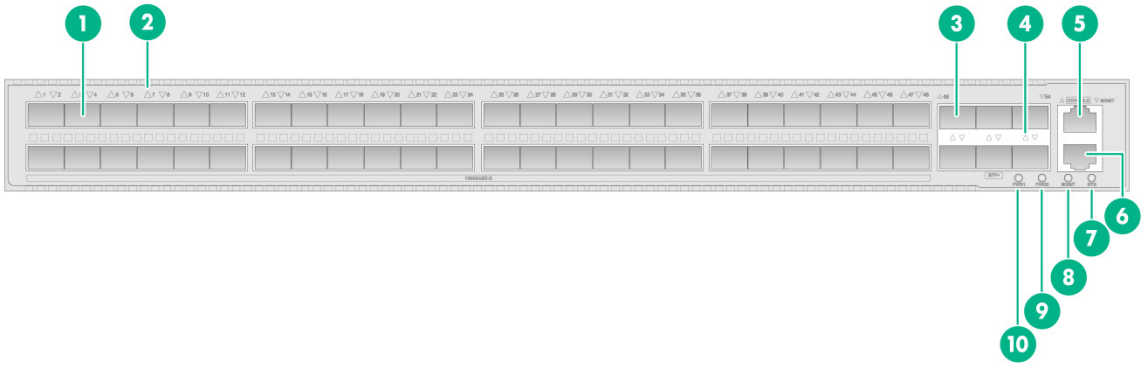
The S5570S-36F-EI switch has two power supply slots on the rear panel. You can install one or two power supplies for the switch as required. In Figure 28, two PSR75-12A AC power modules are installed in the power supply slots.

The S5570S-36F-EI switch with a product code of LS-5570S-36F-EI is shipped with power supply slot PWR1 empty and power supply slot PWR2 installed with a filler panel.

The S5570S-36F-EI switch with a product code of LS-5570S-36F-EI-GL supports shipment with power supplies installed. If you hope that the switch comes with the purchased power supplies installed, contact the H3C sales personnel.

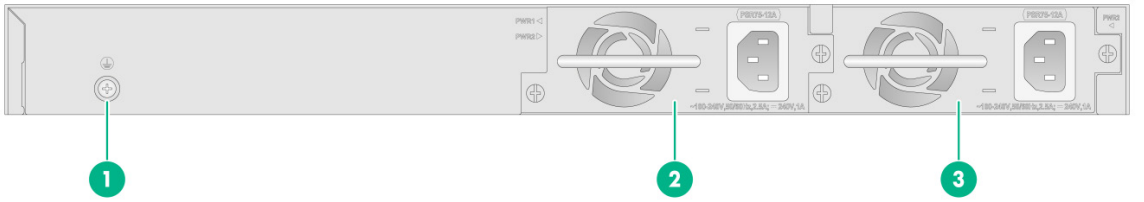
S5570S-54F-EI

Figure 29 Front panel



(1) SFP port	(2) SFP port LED
(3) SFP+ port	(4) SFP+ port LED
(5) Serial console port (CONSOLE)	(6) Management Ethernet port
(7) System status LED (SYS)	(8) Management Ethernet port LED
(9) Power supply 2 status LED (PWR2)	(10) Power supply 1 status LED (PWR1)

Figure 30 Rear panel



(1) Grounding screw	(2) Power supply 1 (PWR1)
(3) Power supply 2 (PWR2)	

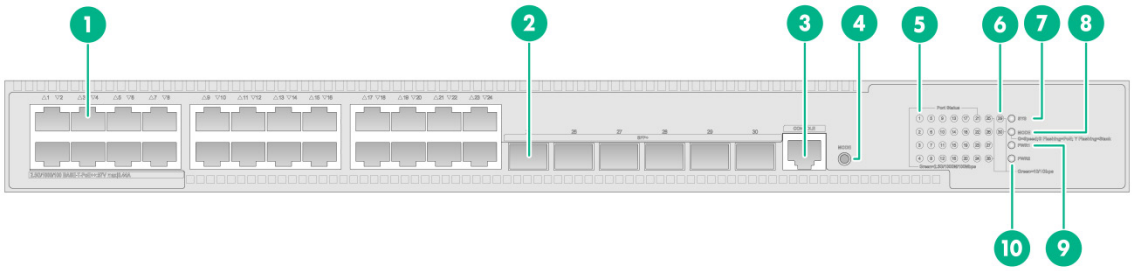
The S5570S-54F-EI switch has two power supply slots on the rear panel. You can install one or two power supplies for the switch as required. In Figure 30, two PSR75-12A AC power modules are installed in the power supply slots.

The S5570S-54F-EI switch with a product code of LS-5570S-54F-EI is shipped with power supply slot PWR1 empty and power supply slot PWR2 installed with a filler panel.

The S5570S-54F-EI switch with a product code of LS-5570S-54F-EI-GL supports shipment with power supplies installed. If you hope that the switch comes with the purchased power supplies installed, contact the H3C sales personnel.

S5570S-30MS-UPWR-EI

Figure 31 Front panel



(1) 2.5G/1000/100BASE-T-PoE++ port	(2) SFP+ port
(3) Serial console port (CONSOLE)	(4) Mode button
(5) 2.5G/1000/100BASE-T-PoE++ port LED	(6) SFP+ port LED
(7) System status LED (SYS)	(8) Mode LED (MODE)
(9) Power supply 1 status LED (PWR1)	(10) Power supply 2 status LED (PWR2)

Figure 32 Rear panel

(1) Grounding screw	(2) Power supply 1 (PWR1)
(3) Power supply 2 (PWR2)	

The S5570S-30MS-UPWR-EI switch has two power supply slots on the rear panel and comes with power supply slot PWR1 empty and power supply slot PWR2 installed with a filler panel. You can install one or two power supplies for the switch as required. In Figure 32, two PSR720-56A AC power modules are installed in the power supply slots.

Removable components and compatibility matrixes

Some switch models support removable components. Table 10 describes the removable components available for the switch.

Table 10 Compatibility matrix between switches and removable components

FRU model	S5570S-28S-EI S5570S-54S-EI S5570S-36F-EI S5570S-54F-EI	S5570S-28S-HPWR-EI S5570S-54S-PWR-EI	S5570S-30MS-UPWR-EI	S5570S-28S-HPWR-EI-A S5570S-54S-PWR-EI-A
Removable power supplies				
CA-70A12	Supported	Not supported	Not supported	Not supported
PSR75-12A	Supported	Not supported	Not supported	Not supported
PSR150-D1	Supported	Not supported	Not supported	Not supported
PSR180-56A	Not supported	Supported	Not supported	Not supported
PSR360-56A	Not supported	Supported	Supported	Not supported
PSR720-56A	Not supported	Supported	Supported	Not supported
PSR1100-56A	Not supported	Supported	Supported	Not supported
PSR560-56D	Not supported	Supported	Supported	Not supported
PSR600-54A-B	Not supported	Not supported	Not supported	Supported
PSR920-54A-B	Not supported	Not supported	Not supported	Supported
PSR1600-54A-B	Not supported	Not supported	Not supported	Supported

With a CA-70A12 or PSR75-12A power supply installed, the S5570S-54F-EI switch supports a maximum of 12 SFP-GE-T or SFP-GE-T-D GE copper transceiver modules.

Do not install PSR600-54A-B and PSR1600-54A-B power supplies on the same switch.

For non-PoE switches, you can install one power supply, or two power supplies for 1+1 redundancy on the switch. The switch supports a mixture of an AC power supply and a DC power supply.

For PoE switches, you can install one power supply, or two power supplies for 1+1 redundancy on the switch. PoE capabilities vary by power supply configuration. When a power supply fails, PoE capabilities of the switch might decrease. For more information about PoE power, see Table 8.

For the S5570S-EI switch series, the removable components available for the switch might change over time. For the most recent removable components available for the switch, see the release notes.

For the S5570S-EI switch series, use the **`display device manuinfo power`** command to view electronic label information about the power supply. The CA-70A12 power supply does support reading electronic label information.

Removable power supplies

Table 11 Power supplies available for the switch

Power supply model	Item	Specifications	Reference
CA-70A12	Rated input voltage	100 VAC to 240 VAC @ 50 Hz or 60 Hz	*H3C CA-70A12 Power Supply User Manual*
	Max input voltage	90 VAC to 290 VAC @ 47 Hz to 63 Hz	
	Max output power	70 W	
PSR75-12A	Rated input voltage	100 VAC to 240 VAC @ 50 Hz or 60 Hz	*H3C PSR75-12A Power Module User Manual*
	Max input voltage	90 VAC to 290 VAC @ 47 Hz to 63 Hz	
	Max output power	75 W	
PSR150-D1	Rated input voltage	–48 VDC to –60 VDC	*H3C PSR150-A & PSR150-D Power Supply Series User Manual*
	Max input voltage	–36 VDC to –72 VDC	
	Max output power	150 W	
PSR180-56A	Rated input voltage	AC: 100 VAC to 240 VAC @ 50 Hz or 60 Hz DC: 240 VDC	*H3C PSR180-56A Power Module User Manual*
	Max input voltage	AC: 85 VAC to 290 VAC @ 47 Hz to 63 Hz DC: 180 VDC to 320 VDC	
	Max output power	180 W	
PSR360-56A	Rated input voltage	100 VAC to 240 VAC @ 50 Hz or 60 Hz	*H3C PSR360-56A Power Module User Manual*
	Max input voltage	90 VAC to 264 VAC @ 47 Hz to 63 Hz	
	Max output power	360 W	
PSR560-56D	Rated input voltage	–48 VDC to –60 VDC	*H3C PSR560-56D Power Module User Manual*
	Max input voltage	–36 VDC to –72 VDC	
	Max output power	560 W	
PSR720-56A	Rated input voltage	100 VAC to 240 VAC @ 50 Hz or 60 Hz	*H3C PSR720-56A Power Module User Manual*
	Max input voltage	90 VAC to 264 VAC @ 47 Hz to 63 Hz	
	Max output power	720 W	
PSR1110-56A	Rated input voltage	115 VAC to 240 VAC @ 50 Hz or 60 Hz	*H3C PSR1110-56A Power Module User Manual*
	Max input voltage	102.5 VAC to 264 VAC @ 47 Hz to 63 Hz	

Power supply model	Item	Specifications	Reference
	Max output power	1110 W	
PSR600-54A-B	Rated input voltage	AC: 100 VAC to 240 VAC @ 50 Hz or 60 Hz DC: 240 VDC	*H3C PSR600-54A-B Power Module User Manual*
	Max input voltage	AC: 90 VAC to 290 VAC @ 47 to 63 Hz DC: 180 VDC to 320 VDC	
	Max output power	600 W	

PSR920-54A-B	Rated input voltage	• AC:
		  ○ 100 VAC to 130 VAC @ 50/60 Hz
		  ○ 200 VAC to 240 VAC @ 50/60 Hz
		• DC: 240 VDC
			H3C PSR920-54A-B Power Module User Manual

	Max input voltage	AC: 90 VAC to 290 VAC @ 47 to 63 Hz DC: 180 VDC to 320 VDC	
	Max output power	920 W	
PSR1600-54A-B	Rated input voltage	AC: 100 VAC to 240 VAC @ 50/60 Hz DC: 240 VDC	*H3C PSR1600-54A-B Power Module User Manual*
	Max input voltage	AC: 90 VAC to 290 VAC @ 47 to 63 Hz DC: 180 VDC to 320 VDC	
	Max output power	1600 W	

NOTE:

The PSR1110-56A power module, including the handle, adds 64 mm (2.52 in) to the chassis depth.

Ports and LEDs

Ports

Console port

Table 12 Console port specifications

Item	Specification
Connector type	RJ-45
Compliant standard	EIA/TIA-232
Transmission baud rate	9600 bps (default) to 115200 bps
Services	• Provides connection to an ASCII terminal • Provides connection to the serial port of a local PC running terminal emulation program
Compatible devices	All device models

Management Ethernet port

Table 13 Management Ethernet port specifications

Item	Specification
Connector type	RJ-45
Port transmission rate	• 10 Mbps, half/full duplex • 100 Mbps, half/full duplex • 1000 Mbps, full duplex • MDI/MDI-X autosensing
Transmission medium	Category-5 or above twisted pair cable
Max transmission distance	100 m (328.08 ft)
Compliant standard	IEEE 802.3i, IEEE 802.3u, and IEEE 802.3ab
Functions and services	Switch software and Boot ROM upgrade, network management
Compatible devices	S5570S-54F-EI switch

2.5G/1000/100BASE-T Ethernet port

Table 14 2.5G/1000/100BASE-T Ethernet port specifications

Item	Specification
Connector type	RJ-45
Rate, duplex mode, and auto-MDI/MDI-X	• 100 Mbps, half/full duplex • 1 Gbps, full duplex • 2.5 Gbps, full duplex

Item	Specification
	• MDI/MDI-X autosensing
Max transmission distance	• 2.5G mode: 100 m (328.08 ft) • 1G mode: 140 m (459.32 ft) • 100M mode: 200 m (656.17 ft) **NOTE:** The maximum transmission distance between a PSE and PD depends on the peer device capability and twisted pair cable quality. The data above is only for your reference.
Transmission medium	Category 5e or above twisted pair cable
Compliant standard	IEEE 802.3ab and IEEE 802.3an
Compatible devices	S5570S-30MS-UPWR-EI switch

10/100/1000BASE-T Ethernet port

Table 15 10/100/1000BASE-T Ethernet port specifications

Item	Specification
Connector type	RJ-45
Rate, duplex mode, and auto-MDI/MDI-X	• 10 Mbps, half/full duplex • 100 Mbps, half/full duplex • 1000 Mbps, full duplex • MDI/MDI-X autosensing
Max transmission distance	100 m (328.08 ft)
Transmission medium	Category 5 or above twisted pair cable
Compliant standard	IEEE 802.3i, IEEE 802.3u, and IEEE 802.3ab
Compatible devices	All device models (excluding the S5570S-54F-EI switch)

SFP port

Table 16 SFP port specifications

Item	Specification
Interface type	SFP port
Compatible transceiver modules and cables	• FE SFP transceiver modules in Table 17 • GE SFP transceiver modules and cables in Table 19
Compatible devices	S5170-36F-EI, S5170-36F-EI-DP, S5570S-36F-EI, and S5570S-54F-EI switches
Restrictions and guidelines	With a CA-70A12 or PSR75-12A power supply installed, the S5570S-54F-EI switch supports a maximum of 12 GE copper transceiver modules.

Table 17 FE SFP transceiver modules available for the SFP ports

FE SFP transceiver module	Central wavelength (nm)	Connector	Fiber diameter (μm)	Max transmission distance
SFP-GE/FE-LX10-SM1310	1310	LC	Single-mode, 9/125	10 km (6.21 miles)
SFP-FE-SX-MM1310-A	1310	LC	Multi-mode, 50/125	2 km (1.24 miles)
			Multi-mode, 62.5/125	
SFP-FE-LX-SM1310-A	1310	LC	Single-mode, 9/125	15 km (9.32 miles)
SFP-FE-LX-SM1310-D	1310	LC	Single-mode, 9/125	15 km (9.32 miles)
SFP-FE-LH40-SM1310	1310	LC	Single-mode, 9/125	40 km (24.86 miles)
SFP-FE-LH80-SM1550	1550	LC	Single-mode, 9/125	80 km (49.71 miles)
SFP-FE-LX-SM1310-BIDI	TX: 1310 RX: 1550	LC	Single-mode, 9/125	15 km (9.32 miles)
SFP-FE-LX-SM1550-BIDI	TX: 1550 RX: 1310	LC	Single-mode, 9/125	15 km (9.32 miles)

IMPORTANT:

The SFP-FE-LX-SM1310-BIDI and SFP-FE-LX-SM1550-BIDI transceiver modules must be used in pairs. For example, if one end uses the SFP-FE-LX-SM1310-BIDI transceiver module, the other end must use the SFP-FE-LX-SM1550-BIDI transceiver module.

SFP+ port

Table 18 SFP+ port specifications

Item	Specification
Interface type	SFP+ port
Compatible transceiver modules and cables	• GE SFP transceiver modules and cables in Table 19 • 10-GE SFP+ transceiver modules and cables in Table 20, Table 21, and Table 22
Compatible devices	All device models
Restrictions and guidelines	You can install a maximum of two 10-GE transceiver modules with a transmission distance of 80 km (49.71 miles).

Table 19 GE SFP transceiver modules and cables available for the SFP+ ports

GE SFP transceiver module and cable	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (μm)	Modal bandwidth (MHz × km)	Max transmission distance
GE SFP transceiver modules					
SFP-GE-T	N/A	RJ-45	Twisted pair cable	N/A	100 m (328.08 ft)
SFP-GE-T-D	N/A	RJ-45	Twisted pair cable	N/A	100 m (328.08 ft)
SFP-GE-SX-MM850-A	850	LC	Multi-mode, 50/125	500	550 m (1804.46 ft)
				400	500 m (1640.42 ft)
			Multi-mode, 62.5/125	200	275 m (902.23 ft)
				160	200 m (656.17 ft)
SFP-GE-SX-MM850-D	850	LC	Multi-mode, 50/125	500	550 m (1804.46 ft)
				400	500 m (1640.42 ft)
			Multi-mode, 62.5/125	200	275 m (902.23 ft)
				160	200 m (656.17 ft)
SFP-GE-LX-SM1310-A	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
			Multi-mode, 50/125	500 or 400	550 m (1804.46 ft)
			Multi-mode, 62.5/125	500	550 m (1804.46 ft)
SFP-GE/FE-LX10-SM1310	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1310-D	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LH40-SM1310	1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-SM1310-D	1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-SM1550	1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH80-SM1550	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-GE-LH80-SM1550-D	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-GE-LH100-SM1550	1550	LC	Single-mode, 9/125	N/A	100 km (62.14 miles)
SFP-GE-LX-SM1310-BIDI	TX: 1310 RX: 1490	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1490-BIDI	TX: 1490 RX: 1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)

GE SFP transceiver module and cable	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (μm)	Modal bandwidth (MHz × km)	Max transmission distance
SFP-GE-LH40-SM1310-BIDI	TX: 1310 RX: 1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-SM1550-BIDI	TX: 1550 RX: 1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH70-SM1490-BIDI	TX: 1490 RX: 1550	LC	Single-mode, 9/125	N/A	70 km (43.50 miles)
SFP-GE-LH70-SM1550-BIDI	TX: 1550 RX: 1490	LC	Single-mode, 9/125	N/A	70 km (43.50 miles)
GE SFP cable					
SFP-STACK-Kit	N/A	N/A	N/A	SFP cable	1.5 m (4.92 ft)

IMPORTANT:

The SFP-GE-LX-SM1310-BIDI and SFP-GE-LX-SM1490-BIDI transceiver modules, SFP-GE-LH40-SM1310-BIDI and SFP-GE-LH40-SM1550-BIDI transceiver modules, and SFP-GE-LH70-SM1490-BIDI and SFP-GE-LH70-SM1550-BIDI transceiver modules must be used in pairs. For example, if one end uses the SFP-GE-LX-SM1310-BIDI transceiver module, the other end must use the SFP-GE-LX-SM1490-BIDI transceiver module.

Table 20 10-GE SFP+ transceiver modules available for the SFP+ ports

10-GE SFP+ transceiver module	Central wavelength (nm)	Connector	Fiber diameter (μm)	Modal bandwidth (MHz × km)	Max transmission distance
SFP-XG-SX-MM850-A	850	LC	Multi-mode, 50/125	2000	300 m (984.25 ft)
				500	82 m (269.03 ft)
				400	66 m (216.54 ft)
			Multi-mode, 62.5/125	200	33 m (108.27 ft)
				160	26 m (85.30 ft)
SFP-XG-SX-MM850-D	850	LC	Multi-mode, 50/125	2000	300 m (984.25 ft)
				500	82 m (269.03 ft)
				400	66 m (216.54 ft)
			Multi-mode, 62.5/125	200	33 m (108.27 ft)
				160	26 m (85.30 ft)
SFP-XG-LX-SM1310	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1310-D	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LH40-SM1550	1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-XG-LH40	1550	LC	Single-mode,	N/A	40 km (24.86 miles)

10-GE SFP+ transceiver module	Central wavelength (nm)	Connector	Fiber diameter (μm)	Modal bandwidth (MHz × km)	Max transmission distance
-SM1550-D			9/125		
SFP-XG-LH80-SM1550	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-XG-LH80-SM1550-D	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-XG-LX-SM1270-BIDI	TX: 1270 RX: 1330	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1330-BIDI	TX: 1330 RX: 1270	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LH40-SM1270-BIDI	TX: 1270 RX: 1330	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-XG-LH40-SM1330-BIDI	TX: 1330 RX: 1270	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-XG-LH80-SM1490-BIDI	TX: 1490 RX: 1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-XG-LH80-SM1550-BIDI	TX: 1550 RX: 1490	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)

IMPORTANT:

The SFP-XG-LX-SM1270-BIDI and SFP-XG-LX-SM1330-BIDI transceiver modules, SFP-XG-LH40-SM1270-BIDI and SFP-XG-LH40-SM1330-BIDI transceiver modules, and SFP-XG-LH80-SM1490-BIDI and SFP-XG-LH80-SM1550-BIDI transceiver modules must be used in pairs. For example, if one end uses an SFP-XG-LX-SM1270-BIDI transceiver module, the other end must use an SFP-XG-LX-SM1330-BIDI transceiver module.

Table 21 SFP+ fiber cables available for the SFP+ ports

SFP+ fiber cable	Cable length
SFP-XG-D-AOC-7M	7 m (22.97 ft)
SFP-XG-D-AOC-10M	10 m (32.81 ft)
SFP-XG-D-AOC-20M	20 m (65.62 ft)

Table 22 SFP+ copper cables available for the SFP+ ports

SFP+ copper cable	Cable length
LSWM1STK	0.65 m (2.13 ft)
LSWM2STK	1.2 m (3.94 ft)
LSWM3STK	3 m (9.84 ft)

Figure 33 SFP+ cable

(1) Connector	(2) Pull latch

NOTE:

- As a best practice, use H3C transceiver modules and network cables for the switch.
- The H3C transceiver modules and network cables are subject to change over time. For the most recent list of H3C transceiver modules and cables, contact H3C Support or marketing staff.
- For the specifications of H3C transceiver modules and network cables, see *H3C Transceiver Modules User Guide*.

LEDs

System status LED

The system status LED shows the operating state of the switch.

Table 23 System status LED description

LED mark	Status	Description
SYS	Steady green	The switch has started correctly.
	Flashing green	The switch is performing power-on self test (POST).
	The LED alternates between steady red for 10 seconds and flashing green once	A power supply failure has occurred.
	The LED alternates between steady red for 10 seconds and flashing green three times	A fan tray failure has occurred.
	Steady red	The switch has failed the POST or is faulty.
	Off	The switch is powered off or the system has not started correctly.

AC power status LED

The S5170-36F-EI-DP switch provides two AC power status LEDs on the rear panel to indicate the AC power status.

Table 24 AC power status LED description

LED mark	Status	Description
PWR1/PWR2	Steady green	Normal AC power input
	Off	Abnormal or no AC power input

Power status LED

The power status LEDs show the operating status of power supply 1 (PWR1) and power supply 2 (PWR2), respectively.

Table 25 Power status LED description

LED mark	Status	Description
PWR1/PWR2	Steady green	The power supply is present and operating correctly.
	Steady yellow	The power supply is present, but it is not operating or has failed.
	Off	No power supply is present.

MODE LED

For the switch model that has a mode button, the mode LED (MODE) works in conjunction with the port status LEDs to show more information about the switch.

The mode LED indicates the type of information that the port status LEDs are showing.

You can use the mode button to change the indication of the mode LED. After you press the mode button to change the mode LED status into flashing green or yellow, the mode LED keeps that state for only 60 seconds and then turns steady green automatically.

Table 26 Mode LED description

LED mark	Status	Description
MODE	Steady green	The port status LEDs indicate link state of the ports.
	Flashing green (available only for PoE switches)	The port status LEDs indicate the PoE status of the ports.
	Flashing yellow	The port status LEDs indicate the IRF member ID of the switch. For example, if the LEDs for ports 1 to 4 are steady green and the other LEDs are off, the IRF member ID of the switch is 4.

Management Ethernet port LED

Table 27 Management Ethernet port LED description

LED mark	Management Ethernet port LED status	Description
MGMT	Steady green	A link is present on the port.
	Flashing green	The port is sending or receiving data.
	Off	No link is present on the port.

10/100/1000BASE-T autosensing Ethernet port LED

Table 28 shows the description of 10/100/1000BASE-T autosensing Ethernet port LEDs on switches that do not support the mode button.

Table 28 10/100/1000BASE-T autosensing Ethernet port LED description

LED status	Description
Steady green	A link is present on the port.
Flashing green	The port is sending or receiving data.
Off	No link is present on the port.

For switches that support the mode button, the 10/100/1000BASE-T autosensing Ethernet port LEDs work in conjunction with the mode LED to indicate the operating state of the ports from different aspects, as shown in Table 29.

Table 29 10/100/1000BASE-T autosensing Ethernet port LED description

Mode LED (MODE) status	Ethernet port LED status	Description
Steady green (Link/Active mode)	Steady green	A link is present on the port.
	Flashing green	The port is sending or receiving data.
	Off	No link is present on the port.
Flashing green (PoE mode, available only for PoE switches)	Steady green	PoE power supply is normal.
	Flashing green (1 Hz)	• The maximum PoE power provided by the port does not meet the power requirement of the PD. • PoE power supply overcurrent, overvoltage, or short-circuit has occurred. • The remaining power of the switch does not meet the power supply requirement of the port.
	Off	The port is not connected to a PD or PoE is not enabled on the port.
Flashing yellow (IRF mode)	Steady green	The autosensing Ethernet port LEDs on the switch work in conjunction to indicate the IRF member ID of the switch. For example, if the LEDs for ports 1 to 4 are steady green and the other port LEDs are off, the IRF member ID of the switch is 4.

2.5G/1000/100BASE-T autosensing Ethernet port LED

Table 30 2.5G/1000/100BASE-T autosensing Ethernet port LED description

Mode LED (MODE) status	Ethernet port LED status	Description
Steady green (Link/Active mode)	Steady green	A link is present on the port.
	Flashing green	The port is sending or receiving data.
	Off	No link is present on the port.
Flashing green (PoE mode)	Steady green	PoE power supply is normal.
	Flashing green (1 Hz)	• The maximum PoE power provided by the port does not meet the power requirement of the PD. • PoE power supply overcurrent, overvoltage, or short-circuit has occurred. • The remaining power of the switch does not meet the power supply requirement of the port.
	Off	The port is not connected to a PD or PoE is not enabled on the port.
Flashing yellow (IRF mode)	Steady green	The autosensing Ethernet port LEDs on the switch work in conjunction to indicate the IRF member ID of the switch. For example, if the LEDs for ports 1 to 4 are steady green and the other port LEDs are off, the IRF member ID of the switch is 4.

SFP port LED (S5570S-36F-EI switch)

Table 31 SFP port LED description

Mode LED (MODE) status	SFP port LED status	Description
Steady green (Link/Active mode)	Steady green	A transceiver module or cable has been installed and a link is present on the port.
	Flashing green	The port is sending or receiving data.
	Off	No transceiver module or cable has been installed or no link is present on the port.
Flashing yellow (IRF mode)	Steady green	The SFP port LEDs on the switch work in conjunction to indicate the IRF member ID of the switch. For example, if the LEDs for ports 1 to 4 are steady green and the other port LEDs are off, the IRF member ID of the switch is 4.

SFP/SFP+ port LED

Table 32 SFP/SFP+ port LED description

SFP/SFP+ port LED status	Description
Steady green	A transceiver module or cable has been installed and a link is present on the port.

SFP/SFP+ port LED status	Description
Flashing green	The port is sending or receiving data.
Off	• No transceiver module or cable has been installed or no link is present on the port. • The mode LED is operating in IRF mode (available only for switches that support the mode button). • The mode LED is operating in PoE mode (available only for PoE switches).

Input/output status LED on a power supply

The PSR180-56A, PSR360-56A, PSR560-56D, PSR720-56A, PSR1110-56A, PSR600-54A-B, PSR920-54A-B, and PSR1600-54A-B power supplies each have a power input status LED and a power output status LED. For more information about the LEDs, see the user manual for the power supply.

Cooling system

To dissipate heat timely and enhance system stability, the switch uses a high-performance cooling system. Consider the site ventilation design when you plan the installation site for the switch. Table 33 describes fan trays available for the switch.

Table 33 Fan trays available for the switch

Device model	Fan tray type	Airflow direction
All S5170-EI switch models All S5570S-EI switch models, except the S5570S-28S-HPWR-EI-A and S5570S-54S-PWR-EI-A	Fixed fan trays	From the chassis left side to the right side (S5170-28S-HPWR-EI switch as an example) 
S5570S-28S-HPWR-EI-A S5570S-54S-PWR-EI-A		From the chassis two sides and port side to the power supply side (S5570S-28S-HPWR-EI-A switch as an example)