

H3C S5136S-EI Switch Series

Hardware Information and Specifications

Copyright © 2025-2026, New H3C Technologies Co., Ltd. and its licensors

All rights reserved

No part of this manual may be reproduced or transmitted in any form or by any means without prior written consent of New H3C Technologies Co., Ltd.

Trademarks

Except for the trademarks of New H3C Technologies Co., Ltd., any trademarks that may be mentioned in this document are the property of their respective owners.

Notice

The information in this document is subject to change without notice. All contents in this document, including statements, information, and recommendations, are believed to be accurate, but they are presented without warranty of any kind, express or implied. H3C shall not be liable for technical or editorial errors or omissions contained herein.

Environmental protection

This product has been designed to comply with the environmental protection requirements. The storage, use, and disposal of this product must meet the applicable national laws and regulations.

Preface

H3C S5136S-EI Switch Series Hardware Information and Specifications describes product models, technical specifications, ports, and LEDs of the S5136S-EI switches.

This preface includes the following topics about the documentation:

- [Audience](#).
- [Conventions](#).
- [Documentation feedback](#).

Audience

This documentation is intended for:

- Network planners.
- Field technical support and servicing engineers.
- Network administrators working with the switches.

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.
<i>Italic</i>	<i>Italic</i> 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 > 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

1 Product models and technical specifications	1-1
Product models	1-1
Technical specifications for non-PoE switch models	1-2
Technical specifications for PoE switch models	1-11
2 Chassis views	2-1
S5136S-8T4XS-EI-Q	2-1
S5136S-10T4X-EI-Q	2-2
S5136S-16T4X-EI-Q	2-2
S5136S-24S8T4X-EI	2-3
S5136S-24T4S-EI-Q	2-4
S5136S-24T4X-EI-Q	2-5
S5136S-48S2T4X-EI	2-5
S5136S-48ST4X-EI	2-6
S5136S-48T4S-EI-Q	2-7
S5136S-48T4X-EI-Q	2-8
S5136S-8N2X-EI	2-8
S5136S-8FP4XS-EI-Q	2-9
S5136S-10FPT4X-EI-Q	2-10
S5136S-16FP4X-EI	2-11
S5136S-24FP4S4X-EI	2-11
S5136S-24FP4T4S-EI	2-12
S5136S-24P4X-EI	2-13
S5136S-48FP4S-EI	2-13
S5136S-48FP4X-EI	2-14
S5136S-48P4S-EI	2-15
S5136S-48P4X-EI	2-15
S5136S-8UN2X-EI	2-16
S5136S-8FP4UN4X-EI	2-17
3 Removable components	3-1
4 Removable power supplies	4-1
70 W power supply (CA-70A12)	4-1
75 W power supply (PSR75-12A)	4-2
180 W power supply (PSR180-12D-B)	4-3
5 Ports and LEDs	5-1
Ports	5-1
Console port	5-1
Management Ethernet port	5-1
USB port	5-2
10/100/1000BASE-T autosensing Ethernet port	5-2
2.5G/1000/100BASE-T autosensing Ethernet port	5-3
SFP port	5-3
SFP+ port	5-9
Combo interface	5-15
LEDs	5-15
System status LED	5-15
Management Ethernet port LED	5-16
Power supply status LED	5-16
Mode LED	5-16
SFP/SFP+ port LED	5-17
2.5G/1000/100BASE-T autosensing Ethernet port LED	5-17
10/100/1000BASE-T Ethernet port LED	5-18
Cloudnet management status LED	5-19
Location LED	5-19

6 Buttons 6-1

 Reset button..... 6-1

7 Cooling system 7-1

1 Product models and technical specifications

Product models

Table1-1 describes the S5136S-EI switch series models.

Table1-1 S5136S-EI switch series models

Model	Product code (PID)
Non-PoE switch models	
S5136S-8T4XS-EI-Q	LS-5136S-8T4XS-EI-Q-GL
S5136S-10T4X-EI-Q	LS-5136S-10T4X-EI-Q-GL
S5136S-16T4X-EI-Q	LS-5136S-16T4X-EI-Q-GL
S5136S-24S8T4X-EI	LS-5136S-24S8T4X-EI-GL
S5136S-24T4S-EI-Q	LS-5136S-24T4S-EI-Q-GL
S5136S-24T4X-EI-Q	LS-5136S-24T4X-EI-Q-GL
S5136S-48S2T4X-EI	LS-5136S-48S2T4X-EI-GL
S5136S-48ST4X-EI	LS-5136S-48ST4X-EI-GL
S5136S-48T4S-EI-Q	LS-5136S-48T4S-EI-Q-GL
S5136S-48T4X-EI-Q	LS-5136S-48T4X-EI-Q-GL
S5136S-8N2X-EI	LS-5136S-8N2X-EI-GL
PoE switch models	
S5136S-8FP4XS-EI-Q	LS-5136S-8FP4XS-EI-Q-GL
S5136S-10FPT4X-EI-Q	LS-5136S-10FPT4X-EI-Q-GL
S5136S-16FP4X-EI	LS-5136S-16FP4X-EI-GL
S5136S-24FP4S4X-EI	LS-5136S-24FP4S4X-EI-GL
S5136S-24FP4T4S-EI	LS-5136S-24FP4T4S-EI-GL
S5136S-24P4X-EI	LS-5136S-24P4X-EI-GL
S5136S-48FP4S-EI	LS-5136S-48FP4S-EI-GL
S5136S-48FP4X-EI	LS-5136S-48FP4X-EI-GL
S5136S-48P4S-EI	LS-5136S-48P4S-EI-GL
S5136S-48P4X-EI	LS-5136S-48P4X-EI-GL
S5136S-8UN2X-EI	LS-5136S-8UN2X-EI-GL
S5136S-8FP4UN4X-EI	LS-5136S-8FP4UN4X-EI-GL

NOTE:

- To obtain the purchase information, see the product data sheet at https://www.h3c.com/en/Products_and_Solutions/InterConnect/Switches/ and pay attention to the switch product lifecycle management announcement at https://www.h3c.com/en/Support/Policy_Dynamics/Management_Strategy/Products_End_of_Life_Announcement/Switches/.
- For information about product and software compatibility, see the release notes.

Technical specifications for non-PoE switch models

Table1-2 Technical specifications for non-PoE switch models (1)

Item	S5136S-8T4XS-EI-Q	S5136S-10T4X-EI-Q	S5136S-16T4X-EI-Q
Physical specifications			
Dimensions (H × W × D, without package materials)	44 × 266 × 161 mm (1.73 × 10.47 × 6.34 in)	44 × 266 × 161 mm (1.73 × 10.47 × 6.34 in)	44 × 440 × 160 mm (1.73 × 17.32 × 6.30 in)
Dimensions (H × W × D, with package materials)	85 × 368 × 275 mm (3.35 × 14.49 × 10.83 in)	85 × 368 × 277 mm (3.35 × 14.49 × 10.91 in)	86 × 540 × 280 mm (3.39 × 21.26 × 11.02 in)
Weight	≤ 1.1 kg (2.43 lb)	≤ 1.2 kg (2.65 lb)	≤ 1.8 kg (3.97 lb)
Technical specifications			
Memory (RAM)	2 GB		
Flash	1 GB		
Port types and quantity			
Console port	1 × serial console port 1 × Type-C USB console port Only the Type-C USB console port is available when you connect both ports.		
USB port	1		
10/100/1000BASE-T autosensing Ethernet port	8	10	16
SFP port	2	N/A	N/A
SFP+ port	2	4	4
Power supply specifications			
Power input	AC input		
Power supply specifications	- 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		
Melting current of power supply fuse	3.15 A/250 V	10A/250V	10 A/250 V

Item	S5136S-8T4XS-EI-Q	S5136S-10T4X-EI-Q	S5136S-16T4X-EI-Q
Power consumption			
Power consumption (static) Data collection standard: no load	5 W	5 W	6 W
Power consumption (with typical configuration) Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	8 W	16 W	13 W
Power consumption (fully configured) Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	16 W	16 W	17 W
Thermal consumption			
Static thermal consumption Data collection standard: no load	15 BTU/hr	18 BTU/hr	20 BTU/hr
Typical thermal consumption Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	28 BTU/hr	55 BTU/hr	43 BTU/hr
Maximum thermal consumption Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	53 BTU/hr	55 BTU/hr	57 BTU/hr
Heat dissipation			
Heat dissipation method	Fanless, passive cooling	Fanless, passive cooling	Fanless, passive cooling
Mean Time Between Failure (MTBF) (Year)	209.501	182.211	142.5

Item	S5136S-8T4XS-EI-Q	S5136S-10T4X-EI-Q	S5136S-16T4X-EI-Q
Mean time to repair (MTTR) (Hour)	1		
Availability	99.999919%	99.999937%	99.9999%
Environment specifications			
Altitude	5000 m (16404.20 ft)		
Operating temperature	−5°C to +50°C (23°F to 122°F) Note: The maximum acceptable temperature decreases by 0.33°C (0.59°F) for every 100 m (328.08 ft) increase in altitude from 0 m (0 ft).		
Storage temperature	−40°C to +70°C (−40°F to +158°F)		
Relative humidity	5% RH to 95% RH, noncondensing		
Product compliance			
Product compliance	- Safety standards - EMC standards - Environmental protection and eco-friendly standards		

Table1-3 Technical specifications for non-PoE switch models (2)

Item	S5136S-24T4S-EI-Q	S5136S-24T4X-EI-Q	S5136S-48T4S-EI-Q	S5136S-48T4X-EI-Q
Physical specifications				
Dimensions (H × W × D, without package materials)	44 × 440 × 160 mm (1.73 × 17.32 × 6.30 in)	44 × 440 × 160 mm (1.73 × 17.32 × 6.30 in)	44 × 440 × 260 mm (1.73 × 17.32 × 10.24 in)	44 × 440 × 260 mm (1.73 × 17.32 × 10.24 in)
Dimensions (H × W × D, with package materials)	86 × 540 × 280 mm (3.39 × 21.26 × 11.02 in)	86 × 540 × 280 mm (3.39 × 21.26 × 11.02 in)	125 × 550 × 380 mm (4.92 × 21.65 × 14.96 in)	125 × 550 × 380 mm (4.92 × 21.65 × 14.96 in)
Weight	≤ 2 kg (4.41 lb)	≤ 2 kg (4.41 lb)	≤ 3.6 kg (7.94 lb)	≤ 3.6 kg (7.94 lb)
Technical specifications				
Memory (RAM)	2 GB			
Flash	1 GB			
Port types and quantity				
Console port	1 × serial console port 1 × Type-C USB console port Only the Type-C USB console port is available when you connect both ports.			
USB port	1			
10/100/1000BASE-T autosensing Ethernet port	24	24	48	48
SFP port	4	N/A	4	N/A
SFP+ port	N/A	4	N/A	4

Item	S5136S-24T4S-EI-Q	S5136S-24T4X-EI-Q	S5136S-48T4S-EI-Q	S5136S-48T4X-EI-Q
Power supply specifications				
Power input	AC input			
Power supply specifications	- 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			
Melting current of power supply fuse	10 A/250 V	10 A/250 V	3.15 A/250 V	3.15 A/250 V
Power consumption				
Power consumption (static) Data collection standard: no load	6 W	6 W	13 W	13 W
Power consumption (with typical configuration) Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	16 W	16 W	30 W	31 W
Power consumption (fully configured) Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	18 W	21 W	37 W	42 W
Thermal consumption				
Static thermal consumption Data collection standard: no load	20 BTU/hr	20 BTU/hr	45 BTU/hr	45 BTU/hr
Typical thermal consumption Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	52 BTU/hr	54 BTU/hr	103 BTU/hr	106 BTU/hr
Maximum thermal consumption Data collection standard: fully configured with	61 BTU/hr	70 BTU/hr	127 BTU/hr	144 BTU/hr

Item	S5136S-24T4S-EI-Q	S5136S-24T4X-EI-Q	S5136S-48T4S-EI-Q	S5136S-48T4X-EI-Q
transceiver modules or twisted pair cables, 100% loaded				
Heat dissipation				
Heat dissipation method	Fanless, passive cooling	Fanless, passive cooling	Fanless, passive cooling	Fanless, passive cooling
Mean Time Between Failure (MTBF) (Year)	129.95	129.87	128.043	118.731
Mean time to repair (MTTR) (Hour)	1			
Availability	99.9999%	99.9999%	99.999911%	99.999904%
Environment specifications				
Altitude	5000 m (16404.20 ft)			
Operating temperature	−5°C to +50°C (23°F to 122°F) Note: The maximum acceptable temperature decreases by 0.33°C (0.59°F) for every 100 m (328.08 ft) increase in altitude from 0 m (0 ft).			
Storage temperature	−40°C to +70°C (−40°F to +158°F)			
Relative humidity	5% RH to 95% RH, noncondensing			
Product compliance				
Product compliance	- Safety standards - EMC standards - Environmental protection and eco-friendly standards			

Table1-4 Technical specifications for non-PoE models switch (3)

Item	S5136S-24S8T4X-EI	S5136S-48S2T4X-EI	S5136S-48ST4X-EI
Physical specifications			
Dimensions (H × W × D, without package materials)	44 × 440 × 360 mm (1.73 × 17.32 × 14.17 in)	44 × 440 × 360 mm (1.73 × 17.32 × 14.17 in)	44 × 440 × 360 mm (1.73 × 17.32 × 14.17 in)
Dimensions (H × W × D, with package materials)	125 × 562 × 550 mm (4.92 × 22.13 × 21.65 in)	125 × 562 × 550 mm (4.92 × 22.13 × 21.65 in)	125 × 562 × 550 mm (4.92 × 22.13 × 21.65 in)
Weight	≤ 5.4 kg (11.90 lb)	≤ 5.5 kg (12.13 lb)	≤ 5.5 kg (12.13 lb)
Technical specifications			
Memory (RAM)	2 GB		
Flash	1 GB		

Item	S5136S-24S8T4X-EI	S5136S-48S2T4X-EI	S5136S-48ST4X-EI
Port types and quantity			
Console port	1 × serial console port 1 × Type-C USB console port Only the Type-C USB console port is available when you connect both ports.		
USB port	1		
10/100/1000BASE-T autosensing Ethernet port	8 (Each and its corresponding SFP port form a combo interface.)	2 (Each and its corresponding SFP port form a combo interface.)	24
SFP port	24 (The eight highest-numbered SFP ports form combo interfaces with their corresponding 10/100/1000BASE-T autosensing Ethernet ports, respectively.)	48 (The two highest-numbered SFP ports form combo interfaces with their corresponding 10/100/1000BASE-T autosensing Ethernet ports, respectively.)	24
SFP+ port	4	4	4
Power supply specifications			
Power input	- Removable AC power supply input (no support for HVDC input) - Removable DC power supply input - RPS input (RPS1600-A)		
Power supply specifications	See " Removable power supplies "		
Melting current of power supply fuse	See " Removable power supplies "		
Power consumption			
Power consumption (static)	Single AC: 11 W Dual AC: 13 W	Single AC: 19 W Dual AC: 21 W	Single AC: 17 W Dual AC: 19 W
Data collection standard: no load	Single DC: 15 W Dual DC: 22 W	Single DC: 21 W Dual DC: 29 W	Single DC: 20 W Dual DC: 27 W
Power consumption (with typical configuration)	Single AC: 12 W Dual AC: 14 W	Single AC: 20 W Dual AC: 23 W	Single AC: 27 W Dual AC: 29 W
Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	Single DC: 16 W Dual DC: 23 W	Single DC: 23 W Dual DC: 31 W	Single DC: 29 W Dual DC: 29 W
Power consumption (fully configured)	Single AC: 35 W Dual AC: 37 W	Single AC: 54 W Dual AC: 55 W	Single AC: 47 W Dual AC: 49 W
Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	Single DC: 37 W Dual DC: 44 W	Single DC: 55 W Dual DC: 61 W	Single DC: 47 W Dual DC: 53 W

Item	S5136S-24S8T4X-EI	S5136S-48S2T4X-EI	S5136S-48ST4X-EI
Thermal consumption			
Static thermal consumption Data collection standard: no load	Single AC: 37 BTU/hr Dual AC: 44 BTU/hr Single DC: 49 BTU/hr Dual DC: 74 BTU/hr	Single AC: 62 BTU/hr Dual AC: 69 BTU/hr Single DC: 72 BTU/hr Dual DC: 97 BTU/hr	Single AC: 57 BTU/hr Dual AC: 64 BTU/hr Single DC: 65 BTU/hr Dual DC: 90 BTU/hr
Typical thermal consumption Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	Single AC: 41 BTU/hr Dual AC: 48 BTU/hr Single DC: 54 BTU/hr Dual DC: 77 BTU/hr	Single AC: 68 BTU/hr Dual AC: 76 BTU/hr Single DC: 78 BTU/hr Dual DC: 103 BTU/hr	Single AC: 91 BTU/hr Dual AC: 99 BTU/hr Single DC: 98 BTU/hr Dual DC: 99 BTU/hr
Maximum thermal consumption Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	Single AC: 118 BTU/hr Dual AC: 127 BTU/hr Single DC: 124 BTU/hr Dual DC: 149 BTU/hr	Single AC: 184 BTU/hr Dual AC: 187 BTU/hr Single DC: 185 BTU/hr Dual DC: 206 BTU/hr	Single AC: 158 BTU/hr Dual AC: 167 BTU/hr Single DC: 160 BTU/hr Dual DC: 180 BTU/hr
Heat dissipation			
Heat dissipation method	Air cooling	Air cooling	Air cooling
Ventilation aisles	Left to right (facing the front panel)	Left to right (facing the front panel)	Left to right (facing the front panel)
Mean Time Between Failure (MTBF) (Year)	127.7	108.3	100.9
Mean time to repair (MTTR) (Hour)	1		
Availability	99.9999%	99.9998%	99.9998%
Environment specifications			
Sound pressure level at 27°C (80.6°F)	35.2 dB	35.2 dB	35.2 dB
Altitude	5000 m (16404.20 ft)		
Operating temperature	-5°C to +50°C (23°F to 122°F) Note: The maximum acceptable temperature decreases by 0.33°C (0.59°F) for every 100 m (328.08 ft) increase in altitude from 0 m (0 ft).		
Storage temperature	-40°C to +70°C (-40°F to +158°F)		
Operating relative humidity	5% RH to 95% RH, noncondensing		

Item	S5136S-24S8T4X-EI	S5136S-48S2T4X-EI	S5136S-48ST4X-EI
Product compliance			
Product compliance	- Safety standards - EMC standards - Environmental protection and eco-friendly standards		

Table1-5 Technical specifications for non-PoE switch models (4)

Item	S5136S-8N2X-EI
Physical specifications	
Dimensions (H × W × D, without package materials)	44 × 266 × 161 mm (1.73 × 10.47 × 6.34 in)
Dimensions (H × W × D, with package materials)	85 × 368 × 275 mm (3.35 × 14.49 × 10.83 in)
Weight	≤ 1.2 kg (2.65 lb)
Technical specifications	
Memory (RAM)	2 GB
Flash	1 GB
Port types and quantity	
Console port	1 × serial console port 1 × Type-C USB console port Only the Type-C USB console port is available when you connect both ports.
USB port	1
2.5G/1000/100BASE-T autosensing Ethernet port	8
SFP+ port	2
Power supply specifications	
Power input	AC input
Power supply specifications	- 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
Melting current of power supply fuse	2 A/250 V
Power consumption	
Power consumption (static) Data collection standard: no load	8 W
Power consumption (with typical configuration) Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	12 W
Power consumption (fully configured) Data collection standard: fully configured	13 W

Item	S5136S-8N2X-EI
with transceiver modules or twisted pair cables, 100% loaded	
Thermal consumption	
Static thermal consumption Data collection standard: no load	28 BTU/hr
Typical thermal consumption Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	41 BTU/hr
Maximum thermal consumption Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	45 BTU/hr
Heat dissipation	
Heat dissipation method	Fanless, passive cooling
Mean Time Between Failure (MTBF) (Year)	163.6
Mean time to repair (MTTR) (Hour)	1
Availability	99.99993%
Environment specifications	
Altitude	5000 m (16404.20 ft)
Operating temperature	-5°C to +50°C (23°F to 122°F) Note: The maximum acceptable temperature decreases by 0.33°C (0.59°F) for every 100 m (328.08 ft) increase in altitude from 0 m (0 ft).
Storage temperature	-40°C to +70°C (-40°F to +158°F)
Relative humidity	5% RH to 95% RH, noncondensing
Product compliance	
Product compliance	• Safety standards • EMC standards • Environmental protection and eco-friendly standards

Technical specifications for PoE switch models

Table1-6 Technical specifications for PoE switch models (1)

Item	S5136S-8F P4XS-EI-Q	S5136S-16F P4X-EI	S5136S-24FP4 S4X-EI	S5136S-24FP4T 4S-EI	S5136S-10 FPT4X-EI- Q
Physical specifications					
Dimensions (H × W × D, without package materials)	44 × 266 × 160 mm (1.73 × 10.47 × 6.30 in)	44 × 440 × 260 mm (1.73 × 17.32 × 10.24 in)	44 × 440 × 260 mm (1.73 × 17.32 × 10.24 in)	44 × 440 × 260 mm (1.73 × 17.32 × 10.24 in)	44 × 330 × 230 mm (1.73 × 12.99 × 9.06 in)
Dimensions (H × W × D, with package materials)	85 × 368 × 275 mm (3.35 × 14.49 × 10.83 in)	135 × 555 × 385 mm (5.32 × 21.85 × 15.16 in)	135 × 555 × 385 mm (5.32 × 21.85 × 15.16 in)	135 × 555 × 385 mm (5.32 × 21.85 × 15.16 in)	90 × 425 × 365 mm (3.54 × 16.73 × 14.37 in)
Weight	≤ 1.5 kg (3.31 lb)	≤ 3.6 kg (7.94 lb)	≤ 3.6 kg (7.94 lb)	≤ 3.8 kg (8.38 lb)	≤ 2.3 kg (5.07 lb)
Technical specifications					
Memory (RAM)	2 GB				
Flash	1 GB				
Port types and quantity					
Console port	1 × serial console port 1 × Type-C USB console port Only the Type-C USB console port is available when you connect both ports.				
USB port	1				
10/100/1000B ASE-T autosensing Ethernet port	8	16	24 (The four highest-numbered 10/100/1000BAS E-T autosensing Ethernet ports form combo interfaces with their corresponding SFP ports, respectively.)	28 (The four highest-numbered 10/100/1000BASE -T autosensing Ethernet ports form combo interfaces with their corresponding SFP ports, respectively.)	10 NOTE: Ports 1 to 8 support PoE.
SFP port	2	N/A	4 (Each and its corresponding 10/100/1000BAS E-T autosensing Ethernet port form a combo interface.)	4 (Each and its corresponding 10/100/1000BASE -T autosensing Ethernet port form a combo interface.)	N/A
SFP+ port	2	4	4	N/A	4
Power supply specifications					
Power input	AC input				

Item	S5136S-8F P4XS-EI-Q	S5136S-16F P4X-EI	S5136S-24FP4 S4X-EI	S5136S-24FP4T 4S-EI	S5136S-10 FPT4X-EI- Q
Power supply specifications	- 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				
Melting current of power supply fuse	6.3 A/250 V	8 A/250 V	10 A/250 V	10 A/250 V	6.3A/250V
PoE power capacity					
Maximum PoE power per port	30 W				
Total PoE power	125 W	248 W	405 W	405 W	125 W
Power consumption					
Power consumption (static) Data collection standard: no load	8 W	25 W	23 W	19 W	7 W
Power consumption (with typical configuration) Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	10 W	38 W	35 W	29 W	18 W
Power consumption (fully configured) Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	152 W	317 W	465 W	461 W	147 W
Thermal consumption					
Static thermal consumption	28 BTU/hr	86 BTU/hr	78 BTU/hr	65 BTU/hr	24 BTU/hr

Item	S5136S-8F P4XS-EI-Q	S5136S-16F P4X-EI	S5136S-24FP4 S4X-EI	S5136S-24FP4T 4S-EI	S5136S-10 FPT4X-EI- Q
Data collection standard: no load					
Typical thermal consumption Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	35 BTU/hr	130 BTU/hr	119 BTU/hr	99 BTU/hr	62 BTU/hr
Maximum thermal consumption Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	519 BTU/hr	1055 BTU/hr	1467 BTU/hr	1454 BTU/hr	502 BTU/hr
Heat dissipation					
Heat dissipation method	Fanless, passive cooling	Air cooling	Air cooling	Air cooling	Fanless, passive cooling
Ventilation aisles	N/A	Left to right (facing the front panel)	Left to right (facing the front panel)	Left to right (facing the front panel)	N/A
Mean Time Between Failure (MTBF) (Year)	137.985	67.616	50.001	51.111	133.708
Mean time to repair (MTTR) (Hour)	1				
Availability	99.999917%	99.999831%	99.999772%	99.999777%	99.999915%
Environment specifications					
Sound pressure level at 27°C (80.6°F)	N/A	37.6 dB	37.6 dB	37.6 dB	N/A
Altitude	5000 m (16404.20 ft)				

Item	S5136S-8F P4XS-EI-Q	S5136S-16F P4X-EI	S5136S-24FP4 S4X-EI	S5136S-24FP4T 4S-EI	S5136S-10 FPT4X-EI- Q
Operating temperature	-5°C to +50°C (23°F to 122°F) Note: The maximum acceptable temperature decreases by 0.33°C (0.59°F) for every 100 m (328.08 ft) increase in altitude from 0 m (0 ft).				
Storage temperature	-40°C to +70°C (-40°F to +158°F)				
Relative humidity	5% RH to 95% RH, noncondensing				
Product compliance					
Product compliance	- Safety standards - EMC standards - Environmental protection and eco-friendly standards				

Table1-7 Technical specifications for PoE switch models (2)

Item	S5136S-24P 4X-EI	S5136S-48F P4S-EI	S5136S-48FP 4X-EI	S5136S-48P 4S-EI	S5136S-48P4 X-EI
Physical specifications					
Dimensions (H × W × D, without package materials)	44 × 440 × 260 mm (1.73 × 17.32 × 10.24 in)	44 × 440 × 260 mm (1.73 × 17.32 × 10.24 in)	44 × 440 × 260 mm (1.73 × 17.32 × 10.24 in)	44 × 440 × 260 mm (1.73 × 17.32 × 10.24 in)	44 × 440 × 260 mm (1.73 × 17.32 × 10.24 in)
Dimensions (H × W × D, with package materials)	135 × 555 × 385 mm (5.32 × 21.85 × 15.16 in)	135 × 555 × 385 mm (5.32 × 21.85 × 15.16 in)	135 × 555 × 385 mm (5.32 × 21.85 × 15.16 in)	135 × 555 × 385 mm (5.32 × 21.85 × 15.16 in)	135 × 555 × 385 mm (5.32 × 21.85 × 15.16 in)
Weight	≤ 3.6 kg (7.94 lb)	≤ 4.2 kg (9.26 lb)	≤ 4.2 kg (9.26 lb)	≤ 4.1 kg (9.04 lb)	≤ 4.1 kg (9.04 lb)
Technical specifications					
Memory (RAM)	2 GB				
Flash	1 GB				
Port types and quantity					
Console port	1 × serial console port 1 × Type-C USB console port Only the Type-C USB console port is available when you connect both ports.				
USB port	1				
10/100/1000B ASE-T autosensing Ethernet port	24	48	48	48	48
SFP port	N/A	4	N/A	4	N/A

Item	S5136S-24P 4X-EI	S5136S-48F P4S-EI	S5136S-48FP 4X-EI	S5136S-48P 4S-EI	S5136S-48P4 X-EI
SFP+ port	4	N/A	4	N/A	4
Power supply specifications					
Power input	AC input				
Power supply specifications	- 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				
Melting current of power supply fuse	8 A/250 V	16 A/250 V	16 A/250 V	10 A/250 V	10 A/250 V
PoE power capacity					
Maximum PoE power per port	30 W				
Total PoE power	248 W	770 W	770 W	390 W	390 W
Power consumption					
Power consumption (static) Data collection standard: no load	29 W	35 W	35 W	29 W	29 W
Power consumption (with typical configuration) Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	42 W	56 W	56 W	54 W	54 W
Power consumption (fully configured) Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	321 W	964 W	969 W	517 W	512 W

Item	S5136S-24P 4X-EI	S5136S-48F P4S-EI	S5136S-48FP 4X-EI	S5136S-48P 4S-EI	S5136S-48P4 X-EI
Thermal consumption					
Static thermal consumption Data collection standard: no load	99 BTU/hr	120 BTU/hr	120 BTU/hr	99 BTU/hr	99 BTU/hr
Typical thermal consumption Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	144 BTU/hr	192 BTU/hr	192 BTU/hr	185 BTU/hr	185 BTU/hr
Maximum thermal consumption Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	1069 BTU/hr	3187 BTU/hr	3204 BTU/hr	1696 BTU/hr	1679 BTU/hr
Heat dissipation					
Heat dissipation method	Air cooling	Air cooling	Air cooling	Air cooling	Air cooling
Ventilation aisles	Left to right (facing the front panel)	Left to right (facing the front panel)	Left to right (facing the front panel)	Left to right (facing the front panel)	Left to right (facing the front panel)
Mean Time Between Failure (MTBF) (Year)	62.64	44.653	43.464	44.366	43.192
Mean time to repair (MTTR) (Hour)	1				
Availability	99.999818%	99.999744%	99.999737%	99.999743%	99.999736%
Environment specifications					
Sound pressure level at 27°C	37.6 dB	32.9 dB	32.9 dB	37.6 dB	37.6 dB

Item	S5136S-24P 4X-EI	S5136S-48F P4S-EI	S5136S-48FP 4X-EI	S5136S-48P 4S-EI	S5136S-48P4 X-EI
(80.6°F)					
Altitude	5000 m (16404.20 ft)				
Operating temperature	—5°C to +50°C (23°F to 122°F) Note: The maximum acceptable temperature decreases by 0.33°C (0.59°F) for every 100 m (328.08 ft) increase in altitude from 0 m (0 ft).				
Storage temperature	–40°C to +70°C (–40°F to +158°F)				
Relative humidity	5% RH to 95% RH, noncondensing				
Product compliance					
Product compliance	• Safety standards • EMC standards • Environmental protection and eco-friendly standards				

Table1-8 Technical specifications for PoE switch models (3)

Item	S5136S-8UN2X-EI	S5136S-8FP4UN4X-EI
Physical specifications		
Dimensions (H × W × D, without package materials)	44 × 330 × 230 mm (1.73 × 12.99 × 9.06 in)	44 × 294 × 206 mm (1.73 × 11.57 × 8.11 in)
Dimensions (H × W × D, with package materials)	90 × 425 × 365 mm (3.54 × 16.73 × 14.37 in)	80 × 365 × 306 mm (3.15 × 14.37 × 12.05 in)
Weight	≤ 2.3 kg (5.07 lb)	≤ 2.0 kg (4.41 lb)
Technical specifications		
Memory (RAM)	2 GB	
Flash	1 GB	
Port types and quantity		
Console port	1 × serial console port 1 × Type-C USB console port Only the Type-C USB console port is available when you connect both ports.	
USB port	1	
10/100/1000BASE-T autosensing Ethernet port	N/A	8
2.5G/1000/100BASE-T autosensing Ethernet port	8	4
SFP+ port	2	4
Power supply specifications		
Power input	AC input	
Power supply specifications	Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz	

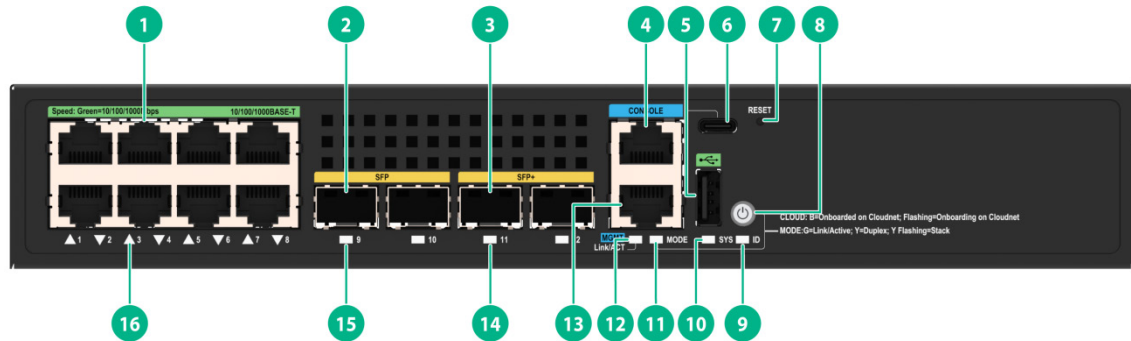
Item	S5136S-8UN2X-EI	S5136S-8FP4UN4X-EI
	Max voltage range: 90 VAC to 264 VAC @ 47 Hz to 63 Hz	
Melting current of power supply fuse	10 A/250 V	6.3 A/250 V
PoE power capacity		
Maximum PoE power per port	100 W	PoE+: 35W PoE++: 100 W
Total PoE power	410 W	250 W
Power consumption		
Power consumption (static) Data collection standard: no load	16 W	13 W
Power consumption (with typical configuration) Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	19 W	17 W
Power consumption (fully configured) Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	488 W	301 W
Thermal consumption		
Static thermal consumption Data collection standard: no load	55 BTU/hr	45 BTU/hr
Typical thermal consumption Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	65 BTU/hr	59 BTU/hr
Maximum thermal consumption Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	1666 BTU/hr	1028 BTU/hr
Heat dissipation		
Heat dissipation method	Air cooling	Fanless, passive cooling
Ventilation aisles	Left to right (facing the front panel)	N/A
Mean Time Between Failure (MTBF) (Year)	100.5	99.8

Item	S5136S-8UN2X-EI	S5136S-8FP4UN4X-EI
Mean time to repair (MTTR) (Hour)	1	
Availability	99.999886%	99.999885%
Environment specifications		
Sound pressure level at 27°C (80.6°F)	39.4 dB	N/A
Altitude	5000 m (16404.20 ft)	
Operating temperature	−5°C to +50°C (23°F to 122°F) Note: The maximum acceptable temperature decreases by 0.33°C (0.59°F) for every 100 m (328.08 ft) increase in altitude from 0 m (0 ft).	
Storage temperature	−40°C to +70°C (−40°F to +158°F)	
Relative humidity	5% RH to 95% RH, noncondensing	
Product compliance		
Product compliance	- Safety standards - EMC standards - Environmental protection and eco-friendly standards	

2 Chassis views

S5136S-8T4XS-EI-Q

Figure2-1 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) SFP port
(3) SFP+ port	(4) Console port
(5) USB port	(6) Type-C USB console port
(7) Reset button (RESET)	(8) Mode button (Cloudnet management status LED)
(9) Location LED (ID)	(10) System status LED (SYS)
(11) Mode LED (MODE)	(12) Management Ethernet port LED (LINK/ACT)
(13) Management Ethernet port	(14) SFP+ port LED
(15) SFP port LED	(16) 10/100/1000BASE-T autosensing Ethernet port LED

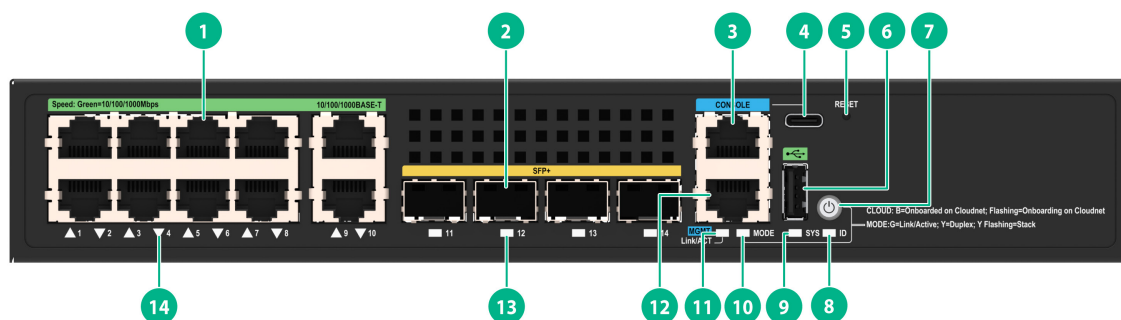
Figure2-2 Rear panel



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

S5136S-10T4X-EI-Q

Figure2-3 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) SFP+ port
(3) Console port	(4) Type-C USB console port
(5) Reset button (RESET)	(6) USB port
(7) Mode button (Cloudnet management status LED)	(8) Location LED (ID)
(9) System status LED (SYS)	(10) Mode LED (MODE)
(11) Management Ethernet port LED (LINK/ACT)	(12) Management Ethernet port
(13) SFP+ port LED	(14) 10/100/1000BASE-T autosensing Ethernet port LED

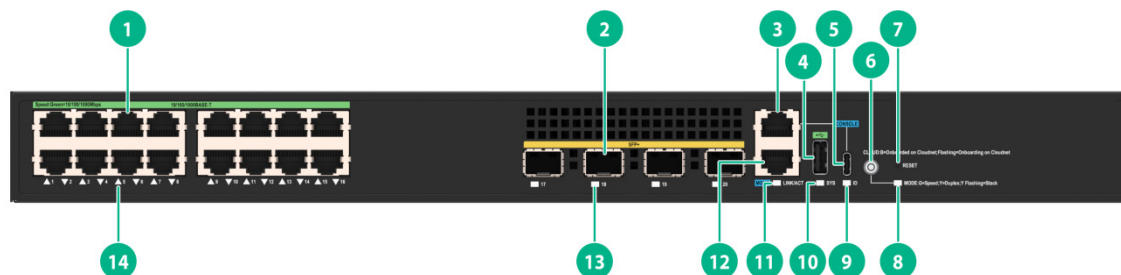
Figure2-4 Rear panel



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

S5136S-16T4X-EI-Q

Figure2-5 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) SFP+ port
(3) Management Ethernet port	(4) USB port
(5) Type-C USB console port	(6) Mode LED (MODE)

(7) Reset button (RESET)	(8) Mode button (Cloudnet management status LED)
(9) Location LED (ID)	(10) System status LED (SYS)
(11) Management Ethernet port LED (LINK/ACT)	(12) Console port
(13) LED SFP+ port LED	(14) 10/100/1000BASE-T autosensing Ethernet port LED

Figure2-6 Rear panel

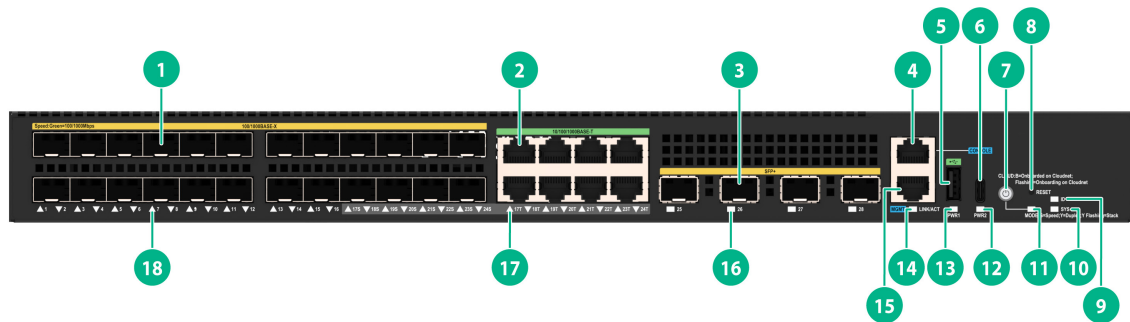


(1) Grounding screw

(2) AC power receptacle

S5136S-24S8T4X-EI

Figure2-7 Front panel



(1) SFP port	(2) 10/100/1000BASE-T autosensing Ethernet port
(3) SFP+ port	(4) Console port
(5) USB port	(6) Type-C USB console port
(7) Mode button (Cloudnet management status LED)	(8) Reset button (RESET)
(9) Location LED (ID)	(10) System status LED (SYS)
(11) Mode LED (MODE)	(12) Power supply 2 status LED (PWR2)
(13) Power supply 1 status LED (PWR1)	(14) LED Management Ethernet port LED (LINK/ACT)
(15) Management Ethernet port	(16) SFP+ port LED
(17) 10/100/1000BASE-T autosensing Ethernet port LED	(18) SFP port LED

Figure2-8 Rear panel

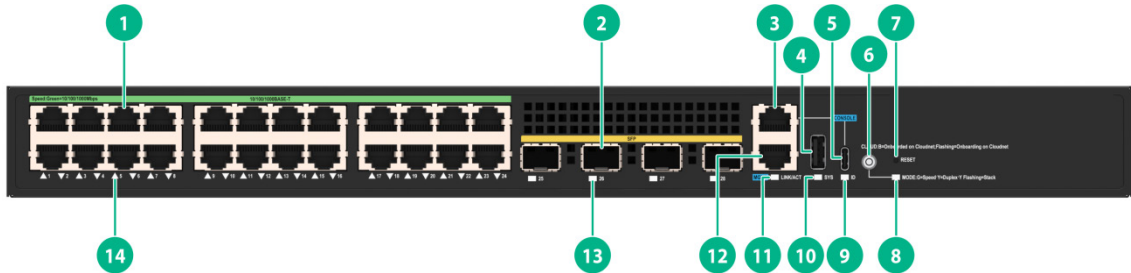


- | | |
|---------------------------|---------------------------|
| (1) Grounding screw | (2) Power supply 1 (PWR1) |
| (3) Power supply 2 (PWR2) | |

The S5136S-24S8T4X-EI switch has two power supply slots on the rear panel. You can install one or two power supplies for the switch as needed. In [Figure2-8](#), two CA-70A12 AC power supplies are installed.

S5136S-24T4S-EI-Q

Figure2-9 Front panel



- | | |
|---|--|
| (1) 10/100/1000BASE-T autosensing Ethernet port | (2) SFP port |
| (3) Console port | (4) USB port |
| (5) Type-C USB console port | (6) Mode LED (MODE) |
| (7) Reset button (RESET) | (8) Mode button (Cloudnet management status LED) |
| (9) Location LED (ID) | (10) System status LED (SYS) |
| (11) Management Ethernet port LED (LINK/ACT) | (12) Management Ethernet port |
| (13) SFP port LED | (14) 10/100/1000BASE-T autosensing Ethernet port LED |

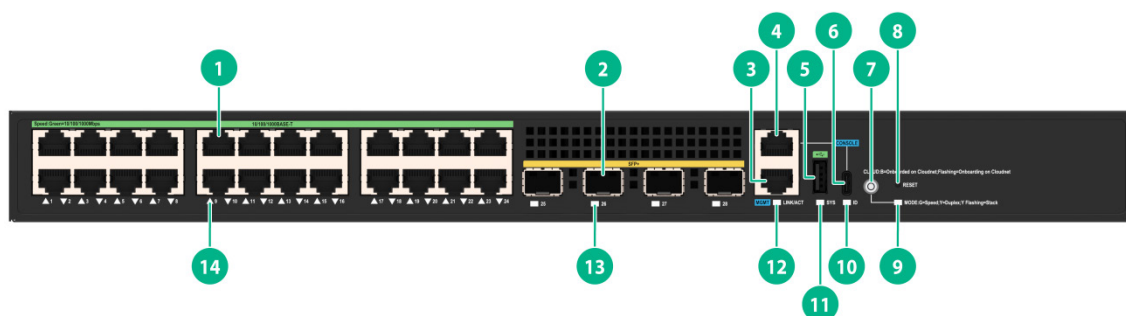
Figure2-10 Rear panel



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

S5136S-24T4X-EI-Q

Figure2-11 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) SFP+ port
(3) Management Ethernet port	(4) Console port
(5) USB port	(6) Type-C USB console port
(7) Mode button (Cloudnet management status LED)	(8) Reset button (RESET)
(9) Mode LED (MODE)	(10) Location LED (ID)
(11) System status LED (SYS)	(12) Management Ethernet port LED (LINK/ACT)
(13) SFP+ port LED	(14) 10/100/1000BASE-T autosensing Ethernet port LED

Figure2-12 Rear panel



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

S5136S-48S2T4X-EI

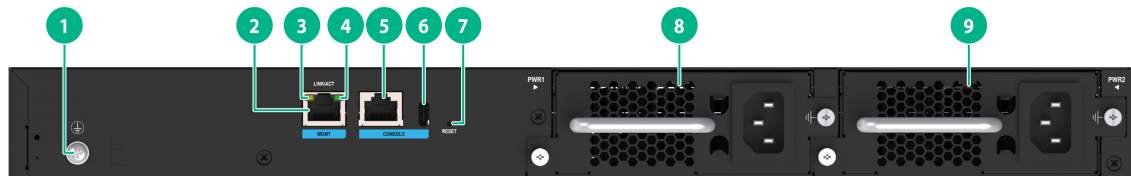
Figure2-13 Front panel



(1) SFP port	(2) 10/100/1000BASE-T autosensing Ethernet port LED
(3) 10/100/1000BASE-T autosensing Ethernet port	(4) Power supply 2 status LED (PWR2)

(5) USB port	(6) Mode button (Cloudnet management status LED)
(7) Location LED (ID)	(8) System status LED (SYS)
(9) Mode LED (MODE)	(10) Power supply 1 status LED (PWR1)
(11) SFP+ port LED	(12) SFP+ port
(13) SFP port LED	

Figure2-14 Rear panel

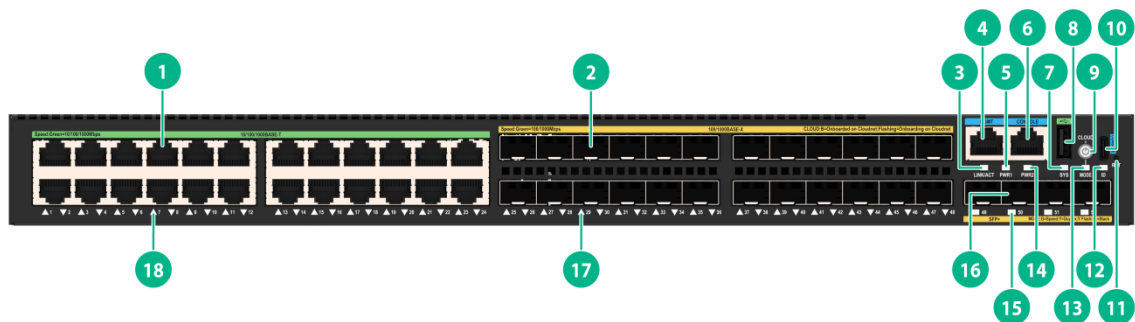


(1) Grounding screw	(2) Management Ethernet port
(3) Management Ethernet port LED (LINK)	(4) Management Ethernet port LED (ACT)
(5) Console port	(6) Type-C USB console port
(7) Reset button (RESET)	(8) Power supply 1 (PWR1)
(9) Power supply 2 (PWR2)	

The S5136S-48S2T4X-EI switch has two power supply slots on the rear panel. You can install one or two power supplies for the switch as needed. In [Figure2-14](#), two CA-70A12 AC power supplies are installed.

S5136S-48ST4X-EI

Figure2-15 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) SFP port
(3) Management Ethernet port LED (LINK/ACT)	(4) Management Ethernet port
(5) Power supply 1 status LED (PWR1)	(6) Console port
(7) System status LED (SYS)	(8) USB port
(9) Mode button (Cloudnet management status LED)	(10) Type-C USB console port
(11) Reset button (RESET)	(12) Location LED (ID)
(13) Mode LED (MODE)	(14) Power supply 2 status LED (PWR2)
(15) SFP+ port LED	(16) SFP+ port
(17) SFP port LED	(18) 10/100/1000BASE-T autosensing Ethernet port LED

Figure2-16 Rear panel



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

The S5136S-48ST4X-EI switch has two power supply slots on the rear panel. You can install one or two power supplies for the switch as needed. In [Figure2-16](#), two CA-70A12 AC power supplies are installed.

S5136S-48T4S-EI-Q

Figure2-17 Front panel



- | | |
|---|--|
| (1) 10/100/1000BASE-T autosensing Ethernet port | (2) Management Ethernet port LED (LINK/ACT) |
| (3) Management Ethernet port | (4) Mode LED (MODE) |
| (5) Console port | (6) System status LED (SYS) |
| (7) USB port | (8) Mode button (Cloudnet management status LED) |
| (9) Type-C USB console port | (10) Reset button (RESET) |
| (11) Location LED (ID) | (12) SFP port LED |
| (13) SFP port | (14) 10/100/1000BASE-T autosensing Ethernet port LED |

Figure2-18 Rear panel



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

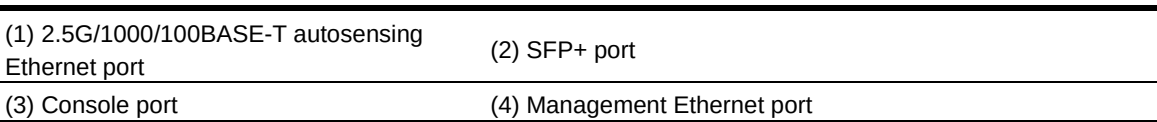
S5136S-8N2X-EI

Figure2-21 Front panel



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

Figure2-21 Front panel



(5) USB port	(6) Mode button (Cloudnet management status LED)
(7) Reset button (RESET)	(8) System status LED (SYS)
(9) Type-C USB console port	(10) Mode LED (MODE)
(11) Location LED (ID)	(12) Management Ethernet port LED (LINK/ACT)
(13) SFP+ port LED	(14) 2.5G/1000/100BASE-T autosensing Ethernet port LED

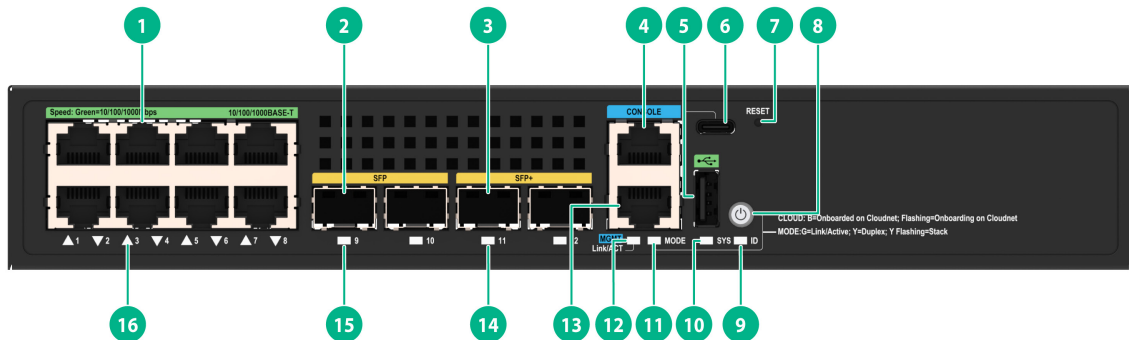
Figure2-22 Rear panel



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

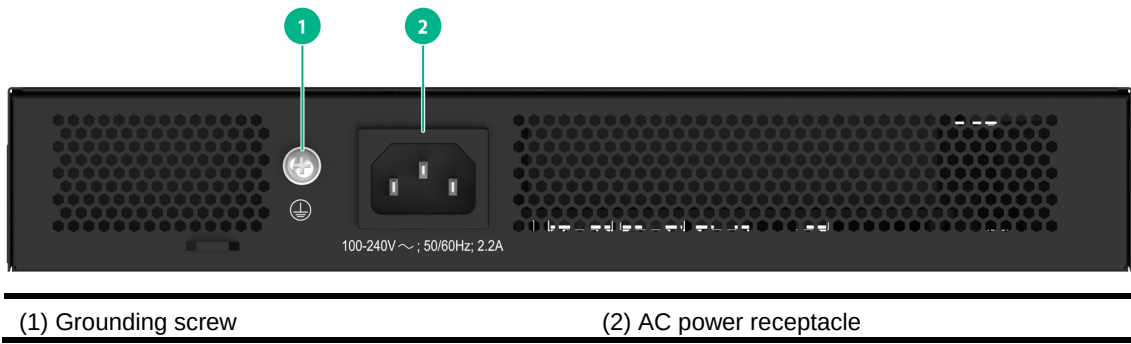
S5136S-8FP4XS-EI-Q

Figure2-23 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) SFP port
(3) SFP+ port	(4) Console port
(5) USB port	(6) Type-C USB console port
(7) Reset button (RESET)	(8) Mode button (Cloudnet management status LED)
(9) Location LED (ID)	(10) System status LED (SYS)
(11) Mode LED (MODE)	(12) Management Ethernet port LED (LINK/ACT)
(13) Management Ethernet port	(14) SFP+ port LED
(15) SFP port LED	(16) 10/100/1000BASE-T autosensing Ethernet port LED

Figure2-24 Rear panel



S5136S-10FPT4X-EI-Q

Figure2-25 Front panel

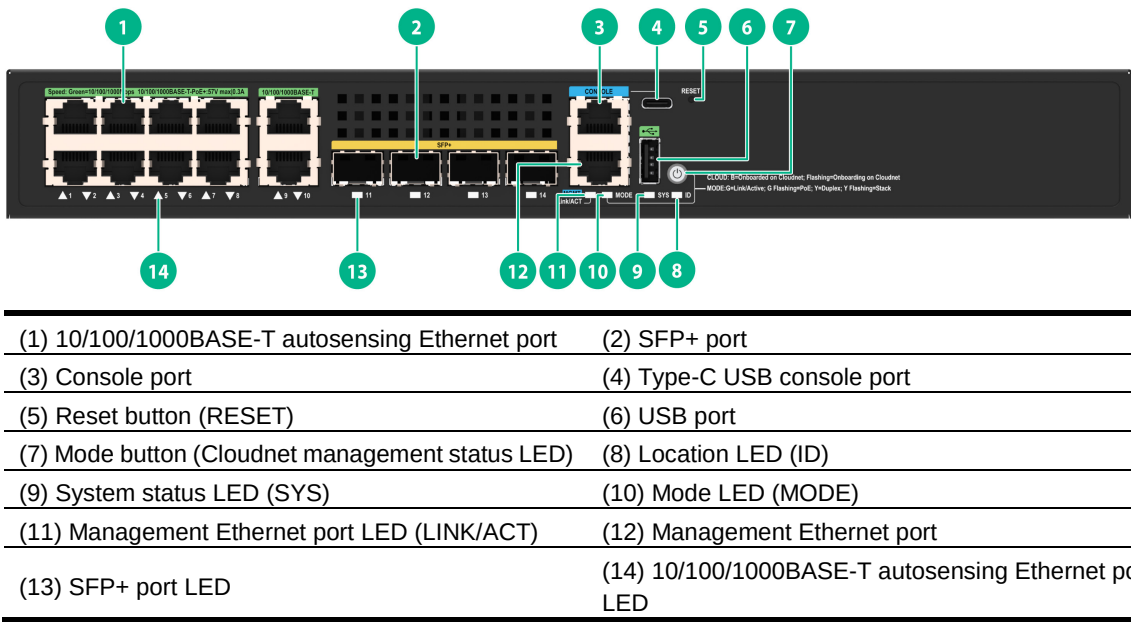
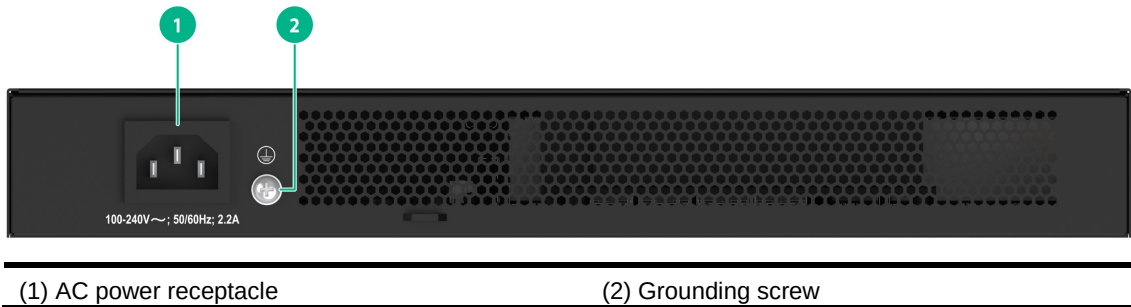
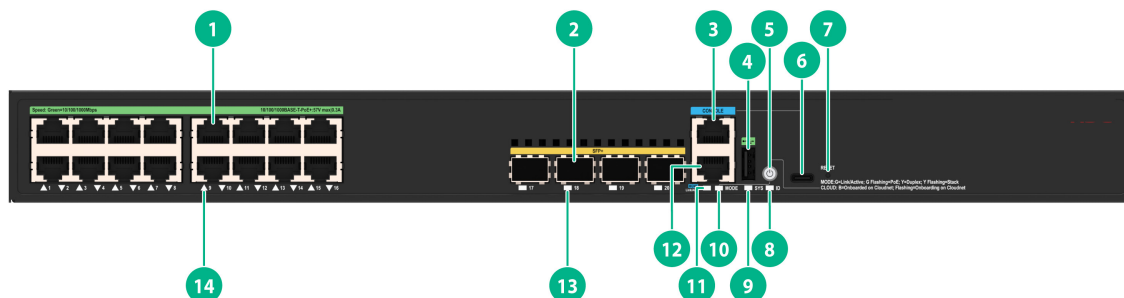


Figure2-26 Rear panel



S5136S-16FP4X-EI

Figure2-27 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) SFP+ port
(3) Console port	(4) USB port
(5) Mode button (Cloudnet management status LED)	(6) Type-C USB console port
(7) Reset button (RESET)	(8) Location LED (ID)
(9) System status LED (SYS)	(10) Mode LED (MODE)
(11) Management Ethernet port	(12) Management Ethernet port LED (LINK/ACT)
(13) SFP+ port LED	(14) 10/100/1000BASE-T autosensing Ethernet port LED

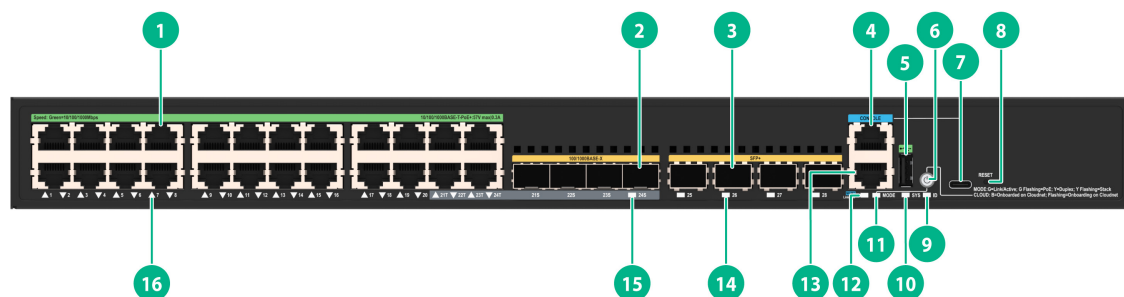
Figure2-28 Rear panel



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

S5136S-24FP4S4X-EI

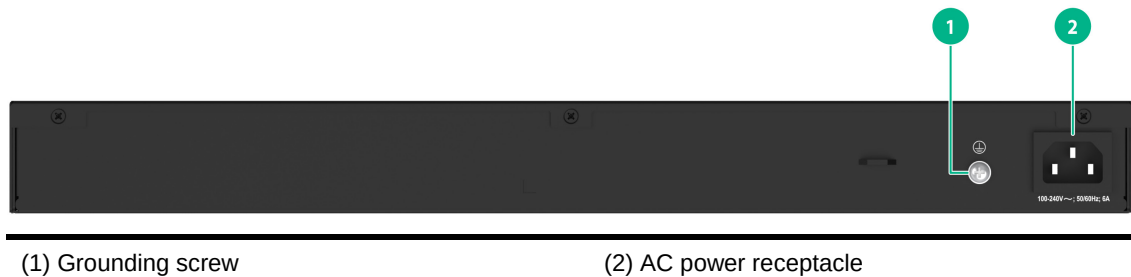
Figure2-29 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) SFP port
(3) SFP+ port	(4) Console port
(5) USB port	(6) Mode button (Cloudnet management status LED)

(7) Type-C USB console port	(8) Reset button (RESET)
(9) Location LED (ID)	(10) System status LED (SYS)
(11) Mode LED (MODE)	(12) Management Ethernet port LED (LINK/ACT)
(13) Management Ethernet port	(14) SFP+ port LED
(15) SFP port LED	(16) 10/100/1000BASE-T autosensing Ethernet port LED

Figure2-30 Rear panel

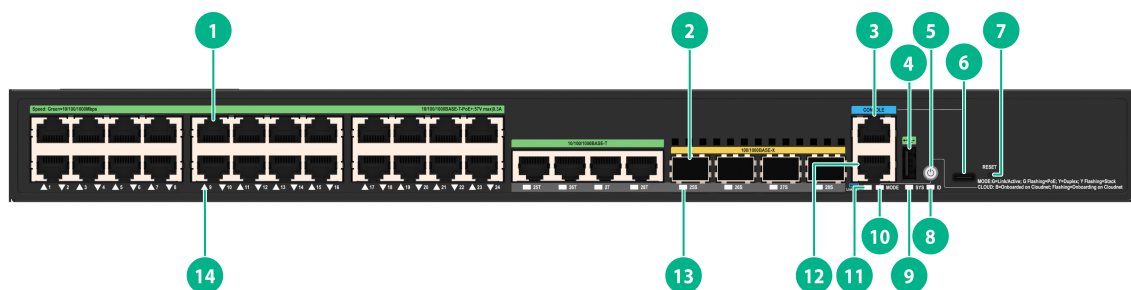


(1) Grounding screw

(2) AC power receptacle

S5136S-24FP4T4S-EI

Figure2-31 Front panel



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

(2) SFP port

(3) Console port

(4) USB port

(5) Mode button (Cloudnet management status LED)

(6) Type-C USB console port

(7) Reset button (RESET)

(8) Location LED (ID)

(9) System status LED (SYS)

(10) Mode LED (MODE)

(11) Management Ethernet port LED (LINK/ACT)

(12) Management Ethernet port

(13) SFP port LED

(14) 10/100/1000BASE-T autosensing Ethernet port LED

Figure2-32 Rear panel



(1) Grounding screw

(2) AC power receptacle

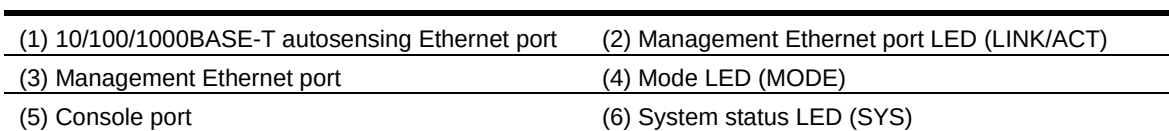
S5136S-48FP4S-EI

Figure2-35 Front panel



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

Figure2-35 Front panel



(7) USB port	(8) Mode button (Cloudnet management status LED)
(9) Type-C USB console port	(10) Reset button (RESET)
(11) Location LED (ID)	(12) SFP port LED
(13) SFP port	(14) 10/100/1000BASE-T autosensing Ethernet port LED

Figure2-36 Rear panel

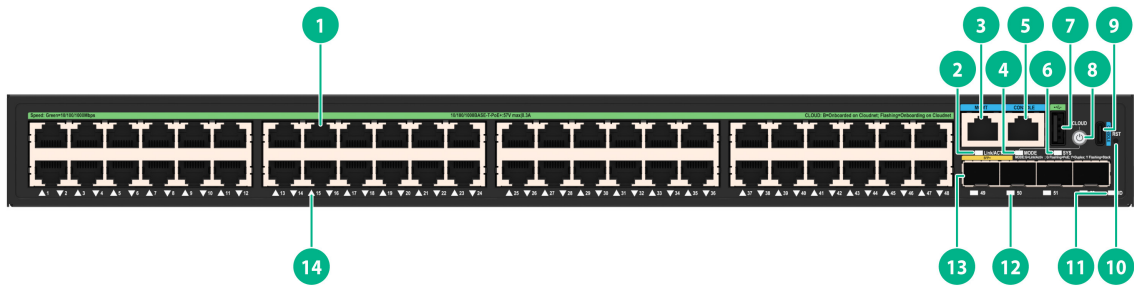


(1) Grounding screw

(2) AC power receptacle

S5136S-48FP4X-EI

Figure2-37 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) Management Ethernet port LED (LINK/ACT)
(3) Management Ethernet port	(4) Mode LED (MODE)
(5) Console port	(6) System status LED (SYS)
(7) USB port	(8) Mode button (Cloudnet management status LED)
(9) Type-C USB console port	(10) Reset button (RESET)
(11) Location LED (ID)	(12) SFP+ port LED
(13) SFP+ port	(14) 10/100/1000BASE-T autosensing Ethernet port LED

Figure2-38 Rear panel

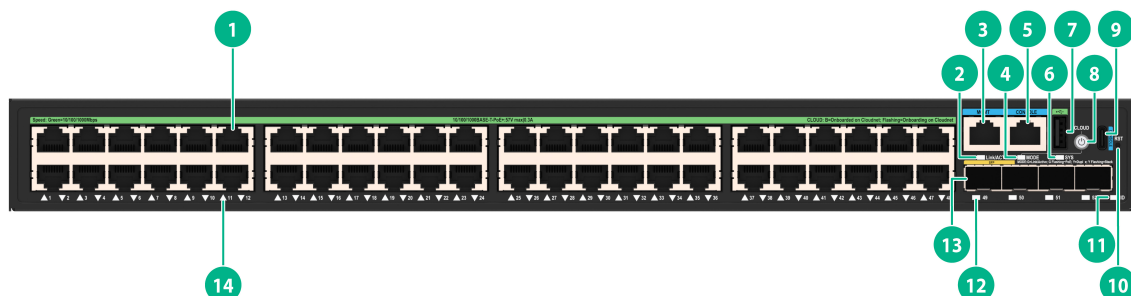


(1) Grounding screw

(2) AC power receptacle

S5136S-48P4S-EI

Figure2-39 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) Management Ethernet port LED (LINK/ACT)
(3) Management Ethernet port	(4) Mode LED (MODE)
(5) Console port	(6) System status LED (SYS)
(7) USB port	(8) Mode button (Cloudnet management status LED)
(9) Type-C USB console port	(10) Reset button (RESET)
(11) Location LED (ID)	(12) SFP port LED
(13) SFP port	(14) 10/100/1000BASE-T autosensing Ethernet port LED

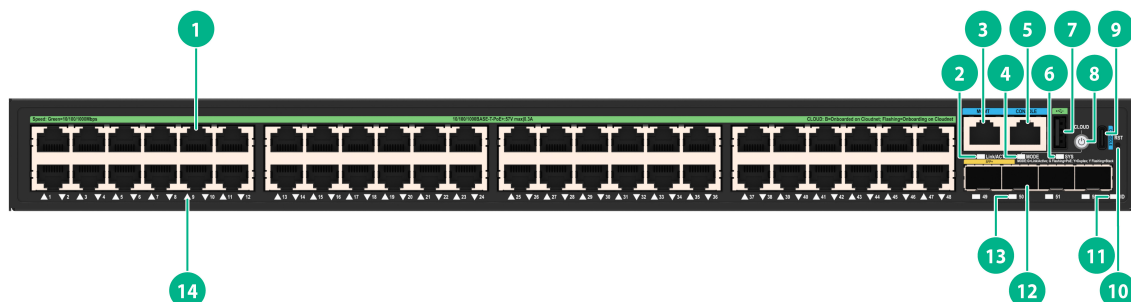
Figure2-40 Rear panel



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

S5136S-48P4X-EI

Figure2-41 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) Management Ethernet port LED (LINK/ACT)
(3) Management Ethernet port	(4) Mode LED (MODE)
(5) Console port	(6) System status LED (SYS)

(7) USB port	(8) Mode button (Cloudnet management status LED)
(9) Type-C USB console port	(10) Reset button (RESET)
(11) Location LED (ID)	(12) SFP+ port
(13) SFP+ port LED	(14) 10/100/1000BASE-T autosensing Ethernet port LED

Figure2-42 Rear panel

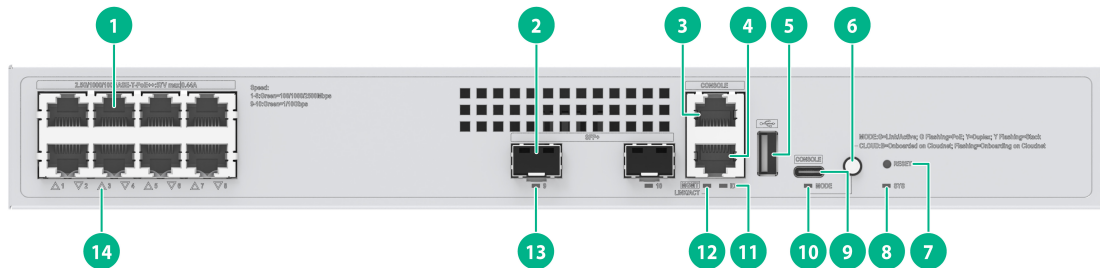


(1) Grounding screw

(2) AC power receptacle

S5136S-8UN2X-EI

Figure2-43 Front panel



(1) 2.5G/1000/100BASE-T autosensing Ethernet port

(2) SFP+ port

(3) Console port

(4) Management Ethernet port

(5) USB port

(6) Mode button (Cloudnet management status LED)

(7) Reset button (RESET)

(8) System status LED (SYS)

(9) Type-C USB console port

(10) Mode LED (MODE)

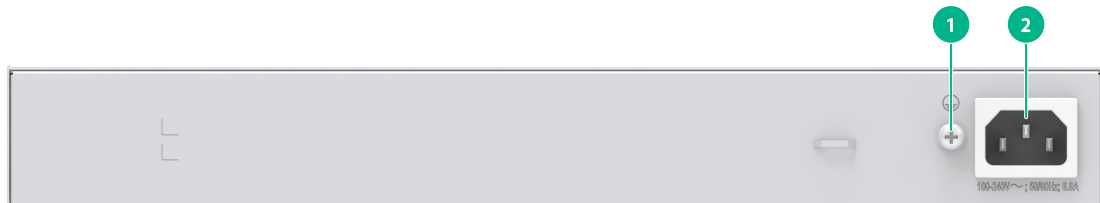
(11) Location LED (ID)

(12) Management Ethernet port LED (LINK/ACT)

(13) SFP+ port LED

(14) 2.5G/1000/100BASE-T autosensing Ethernet port LED

Figure2-44 Rear panel

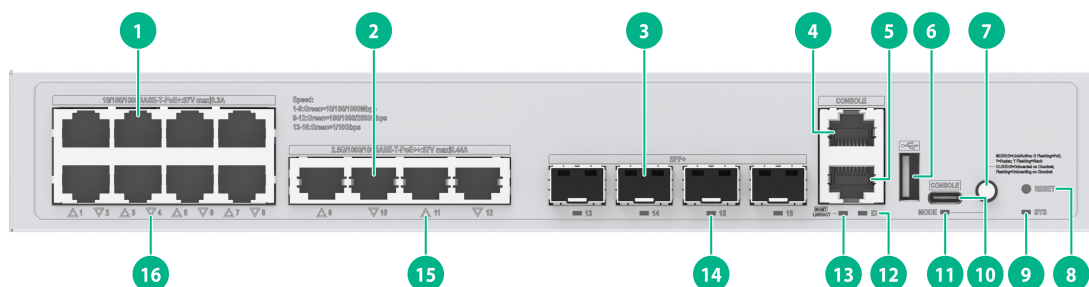


(1) Grounding screw

(2) AC power receptacle

S5136S-8FP4UN4X-EI

Figure2-45 Front panel



(1) 10/100/1000BASE-T autosensing Ethernet port	(2) 2.5G/1000/100BASE-T autosensing Ethernet port
(3) SFP+ port	(4) Console port
(5) Management Ethernet port	(6) USB port
(7) Mode button (Cloudnet management status LED)	(8) Reset button (RESET)
(9) System status LED (SYS)	(10) Type-C USB console port
(11) Mode LED (MODE)	(12) Location LED (ID)
(13) Management Ethernet port LED (LINK/ACT)	(14) SFP+ port LED
(15) 2.5G/1000/100BASE-T autosensing Ethernet port LED	(16) 10/100/1000BASE-T autosensing Ethernet port LED

Figure2-46 Rear panel



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

3 Removable components

Some switch models use removable power supplies. [Table3-1](#) describes the removable components available for the switch.

Table3-1 Compatibility matrix between switches and removable components

Removable component model	S5136S-24S8T4X-EI S5136S-48ST4X-EI S5136S-48S2T4X-EI
Removable power supplies	
CA-70A12	Supported
PSR75-12A	Supported
PSR180-12D-B	Supported

One power supply can meet the power requirement of the switch. You can install two power supplies on the switch for 1+1 redundancy. The device supports installation of both an AC power supply and a DC power supply.

The removable components available for the switch are subject to change over time. For the most recent list of the removable components, see the release notes for the switch.

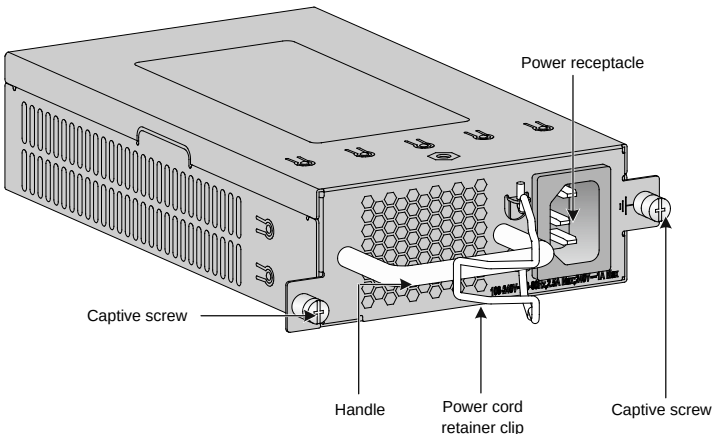
You can use the **display device manuinfo power** command to read the electrical label information of the power supplies. The CA-70A12 power supply does not support electrical label information reading.

4 Removable power supplies

70 W power supply (CA-70A12)

View

Figure4-1 CA-70A12 power supply view



Functions

The CA-70A12 is an AC and DC input and DC output power supply. It provides a maximum output of 70 W.

Table4-1 CA-70A12 power supply features

Feature	Description
Protection function	The power supply provides protection against input overcurrent, input undervoltage, output overvoltage, output current limiting, output shortcircuit, and overtemperature conditions.
Support for redundancy	Two power supplies can be connected in parallel to achieve 1+1 redundancy and load balancing.
Support for hot swapping	You can remove one of the power supplies in 1+1 redundancy when the switch is operating.

Technical specifications

Table4-2 Technical specifications

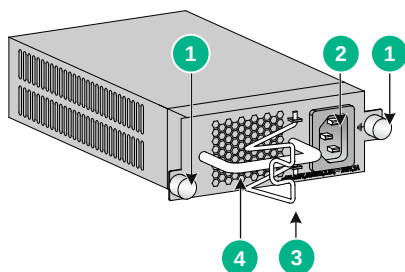
Item	Specification
Dimensions (H × W × D, including the handle)	41.1 × 101.6 × 207 mm (1.62 × 4.00 × 8.15 in)
Weight	0.6 kg (1.32 lb)
Rated input voltage range	AC input: 100 VAC to 240 VAC @ 50 Hz or 60 Hz HVDC input: 240 VDC
Max input voltage range	AC input: 90 VAC to 290 VAC @ 47 Hz to 63 Hz

Item	Specification
	HVDC input: 180 VDC to 320 VDC
Rated input current	N/A
Rated output current	5.83 A
Rated output voltage	12 V
Rated output power	70 W
Melting current of power supply fuse	10 A/250 V

75 W power supply (PSR75-12A)

View

Figure4-2 PSR75-12A power supply view



(1) Mounting screws	(2) Power input receptacle
(3) Latch	(4) Handle

Functions

The PSR75-12A is an AC and DC input and DC output power supply. It provides a maximum output of 75 W.

Table4-3 PSR75-12A power supply features

Feature	Description
Protection function	The power supply provides protection against input overcurrent, input undervoltage, output overvoltage, output current limiting, output shortcircuit, and overtemperature conditions.
Support for redundancy	Two power supplies can be connected in parallel to achieve 1+1 redundancy and load balancing.
Support for hot swapping	You can remove one of the power supplies in 1+1 redundancy when the switch is operating.

Technical specifications

Table4-4 Technical specifications

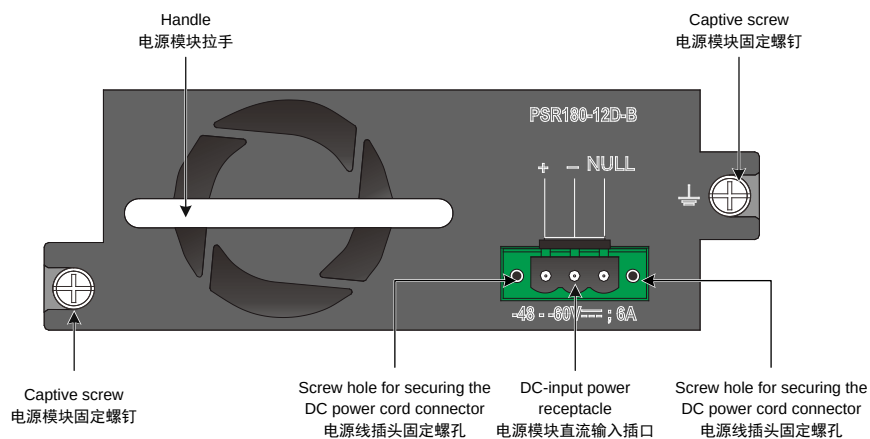
Item	Specification
Dimensions (H × W × D, including the handle)	41.1 × 101.6 × 207 mm (1.62 × 4.00 × 8.15 in)
Weight	0.72 kg (1.59 lb)

Item	Specification
Rated input voltage range	AC input: 100 VAC to 240 VAC @ 50 Hz or 60 Hz HVDC input: 240 VDC
Max input voltage range	AC input: 90 VAC to 290 VAC @ 47 Hz to 63 Hz HVDC input: 180 VDC to 320 VDC
Rated input current	N/A
Rated output current	6.3 A
Rated output voltage	12 V
Rated output power	75 W
Melting current of power supply fuse	3.15 A/250 V

180 W power supply (PSR180-12D-B)

View

Figure4-3 PSR180-12D-B power supply view



Functions

The PSR180-12D-B is a DC input and DC output power supply. It provides a maximum output of 180 W.

Table4-5 PSR180-12D-B power supply features (1)

Feature	Description
Protection function	The power supply provides protection against output overvoltage, shortcircuit, current limiting, and overtemperature conditions.
Support for redundancy	Two power supplies can be connected in parallel to achieve 1+1 redundancy and load balancing.
Support for hot swapping	You can remove one of the power supplies in 1+1 redundancy when the switch is operating. Before removing the power supply, disconnect the power supply from the external power supply system.

Table4-6 PSR180-12D-B power supply features (2)

Protection function	PSR180-12D-B	
	Protection state	Support for auto-recovery
Protection function	The power supply is locked and does not supply power.	Not supported.
Shortcircuit protection	The power supply is locked and does not supply power.	Not supported.
Overcurrent protection	The power supply is locked and does not supply power.	Not supported.
Overtemperature protection	The power supply does not supply power.	The power supply automatically restores power supply after the temperature decreases to an acceptable range.

After a power supply is locked, it cannot automatically restore power supply after the problems are resolved. Follow this procedure to restore the power supply operation:

1. Disconnect the power cord from the external power supply system.
2. Disconnect the power cord from the power supply and then reconnect it.
3. Connect the power cord to the external power supply system.

Technical specifications

Table4-7 Technical specifications

Item	Specification
Dimensions (H × W × D, including the handle)	101.6 × 41.1 × 177 mm (4.00 × 1.62 × 6.97 in)
Weight	0.8 kg (1.76 lb)
Rated input voltage range	–48 VDC to –60 VDC
Max input voltage range	–36 VDC to –72 VDC
Rated input current	N/A
Rated output current	15 A
Rated output voltage	12 V
Rated output power	180 W
Melting current of power supply fuse	8 A/125 V

5 Ports and LEDs

Ports

Console port

Table5-1 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 switch models	All switch models

Table5-2 Type-C USB console port specifications

Item	Specification
Connector type	USB Type-C
Compliant standard	USB2.0
Port transmission 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 switch models	All switch models

Management Ethernet port

The switch has one management Ethernet port on the front panel. You can connect the port to a local PC for software loading and debugging or to a remote management station for remote management.

Table5-3 Management Ethernet port specifications

Item	Specification
Connector type	RJ-45
Transmission rate, duplex mode, and auto MDI/MDI-X	• 10 Mbps, half/full-duplex • 100 Mbps, half/full-duplex • MDI/MDI-X, autosensing
Transmission medium	Category-5 or above twisted pair cable
Max transmission distance	100 m (328.08 ft)

Item	Specification
Compliant standard	IEEE 802.3i IEEE 802.3u IEEE 802.3ab
Functions and services	Used for upgrading and managing applications and Boot ROM
Compatible switch models	All switch models
Restrictions and guidelines	File transfer through the management Ethernet port on the switch is relatively slow

USB port

Table5-4 USB port specifications

Item	Specification
Port type	USB 2.0
Compliant standard	OHC
Port transmission rate	Uploads and downloads data at a rate up to 480 Mbps
Functions and services	Accesses the file system on the flash of the switch, for example, to upload or download application and configuration files
Compatible switch models	All switch models

NOTE:

USB devices from different vendors vary in compatibilities and drivers. H3C does not guarantee correct operation of USB devices from other vendors on the switch. If a USB device fails to operate on the switch, replace it with one from another vendor.

10/100/1000BASE-T autosensing Ethernet port

Table5-5 10/100/1000BASE-T autosensing Ethernet port specifications

Item	Specification
Connector type	RJ-45
Transmission 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 IEEE 802.3ab
Compatible switch models	All switch models

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

The S5136S-8N2X-EI, S5136S-8UN2X-EI, and S5136S-8FP4UN4X-EI switches provide 2.5G/1000/100BASE-T autosensing Ethernet ports.

Table5-6 2.5G/1000/100BASE-T autosensing Ethernet port specifications

Item	Specification
Connector type	RJ-45
Transmission rate, duplex mode, and auto MDI/MDI-X	100 Mbps, half/full-duplex 1/2.5 Gbps, full-duplex - MDI/MDI-X, autosensing
Max transmission distance	2.5 Gbps: 100 m (328.08 ft) 1 Gbps: 140 m (459.32 ft) 100 Mbps: 200 m (656.17 ft) NOTE: The maximum transmission distance between a PSE and PD depends on the peer device capacity and the twisted pair cable quality.
Transmission medium	Category-5e or above twisted pair cable
Compliant standard	IEEE 802.3u IEEE 802.3ab IEEE 802.3bz
Compatible switch models	S5136S-8N2X-EI S5136S-8UN2X-EI S5136S-8FP4UN4X-EI

SFP port

Table5-7 SFP port specifications

Item	Specification
Available transceiver modules and cables	- See FE SFP transceiver modules described in Table5-8 - See GE SFP transceiver modules and cables described in Table5-9 - See 2.5GE SFP transceiver modules and cables described in Table5-11
Compatible switch models	S5136S-8FP4XS-EI-Q, S5136S-8T4XS-EI-Q, S5136S-24T4S-EI-Q, S5136S-48T4S-EI-Q, S5136S-24FP4S4X-EI, S5136S-24FP4T4S-EI, S5136S-24S8T4X-EI, S5136S-48FP4S-EI, S5136S-48P4S-EI, S5136S-48S2T4X-EI, S5136S-48ST4X-EI
Restrictions and guidelines	- To use the SFP-GE-T, SFP-GE-T-D, or transceiver modules with a maximum transmission distance greater than or equal to 80 km (49.71 miles) on the following switch models, make sure the ambient temperature does not exceed 40°C (104°F). - S5136S-8T4XS-EI-Q - S5136S-8FP4XS-EI-Q - S5136S-48T4S-EI-Q - S5136S-48S2T4X-EI - S5136S-48ST4X-EI

Item	Specification
	○ S5136S-24S8T4X-EI ○ S5136S-24T4S-EI-Q • When you use the following transceiver modules on an S5136S-48S2T4X-EI or S5136S-48ST4X-EI switch, make sure the number of the transceiver modules does not exceed 30. ○ SFP-GE-T. ○ SFP-GE-T-D. ○ Transceiver modules with a maximum transmission distance greater than or equal to 80 km (49.71 miles). • The S5136S-8T4XS-EI-Q, S5136S-8FP4XS-EI-Q, S5136S-48T4S-EI-Q, S5136S-24T4S-EI-Q, S5136S-48P4S-EI, and S5136S-48FP4S-EI switches do not support FE SFP transceiver modules. • Only the SFP ports on the following models support 2.5GE SFP transceiver modules: S5136S-8T4XS-EI-Q, S5136S-24T4S-EI-Q, S5136S-48T4S-EI-Q, S5136S-8FP4XS-EI-Q, S5136S-48FP4S-EI, and S5136S-48P4S-EI. However, the port speed can only be autonegotiated as 2500 Mbps and cannot be configured as 2500 Mbps.

Table5-8 FE SFP transceiver modules available for the SFP ports

FE SFP transceiver module	Central wavelength (nm)	Connector	Fiber type and diameter (μm)	Max transmission distance
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)
SFP-FE-BX15-U-SM1310	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.

Table5-9 GE SFP transceiver modules and cables available for the SFP ports (1)

GE SFP transceiver module/cable	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (μm)	Modal bandwidth (MHz*km)	Max. transmission distance
SFP copper 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 optical transceiver modules					
SFP-GE-SX-MM8 50-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	220 m (721.78 ft)
SFP-GE-SX-MM8 50-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	220 m (721.78 ft)
SFP-GE-SX-MM8 50-S	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	220 m (721.78 ft)
SFP-GE-LX-SM1 310-A	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
			Multi-mode, 50/125	500/400	550 m (1804.46 ft)
			Multi-mode, 62.5/125	500	550 m (1804.46 ft)
SFP-GE-LX-SM1 310-D	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1 310-S	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LH40-S M1310	1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-S M1310-D	1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-S M1550	1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)

GE SFP transceiver module/cable	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (μm)	Modal bandwidth (MHz*km)	Max. transmission distance
SFP-GE-LH80-S M1550	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-GE-LH80-S M1550-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)
SFP-GE-LH40-S M1310-BIDI	TX: 1310 RX: 1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-S M1550-BIDI	TX: 1550 RX: 1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH70-S M1490-BIDI	TX: 1490 RX: 1550	LC	Single-mode, 9/125	N/A	70 km (43.50 miles)
SFP-GE-LH70-S M1550-BIDI	TX: 1550 RX: 1490	LC	Single-mode, 9/125	N/A	70 km (43.50 miles)
SFP cable					
SFP-STACK-Kit	N/A	N/A	SFP cable	N/A	1.5 m (4.92 ft)



IMPORTANT:

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

NOTE:

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

Table5-10 GE SFP transceiver modules and cables available for the SFP ports (2)

GE SFP transceiver module/cable	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (μm)	Modal bandwidth (MHz*km)	Max. transmission distance
SFP copper transceiver modules					
SFP-GE-T	N/A	RJ-45	Twisted pair cable	N/A	100 m (328.08 ft)

GE SFP transceiver module/cable	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (μm)	Modal bandwidth (MHz*km)	Max. transmission distance
SFP-GE-T-I	N/A	RJ-45	Twisted pair cable	N/A	100 m (328.08 ft)
SFP optical transceiver modules					
SFP-GE-SX-MM8 50-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	220 m (721.78 ft)
SFP-GE-SX-MM8 50-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	220 m (721.78 ft)
SFP-GE-SX-MM8 50-S	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	220 m (721.78 ft)
SFP-GE-SX-MM8 50-I	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	220 m (721.78 ft)
SFP-GE-LX-SM1 310-A	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
			Multi-mode, 50/125	500/400	550 m (1804.46 ft)
			Multi-mode, 62.5/125	500	550 m (1804.46 ft)
SFP-GE-LX-SM1 310-D	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1 310-S	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX10-S M1310	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LH20-S M1310-I	1310	LC	Single-mode, 9/125	N/A	20 km (12.43 miles)
SFP-GE-LH40-S	1310	LC	Single-mode,	N/A	40 km (24.86 miles)

GE SFP transceiver module/cable	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (μm)	Modal bandwidth (MHz*km)	Max. transmission distance
M1310-I			9/125		miles)
SFP-GE-LH40-S M1310	1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-S M1310-D	1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-S M1550	1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH80-S M1550	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-GE-LH80-S M1550-D	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-GE-LH80-S M1550-I	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-SM1 310-BIDI	TX: 1310 RX: 1490	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1 490-BIDI	TX: 1490 RX: 1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1 310-BIDI-S	TX: 1310 RX: 1490	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1 490-BIDI-S	TX: 1490 RX: 1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1 310-BIDI-I	TX: 1310 RX: 1490	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1 490-BIDI-I	TX: 1490 RX: 1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LH20-S M1310-BIDI-I	TX: 1310 RX: 1490	LC	Single-mode, 9/125	N/A	20 km (12.43 miles)
SFP-GE-LH20-S M1490-BIDI-I	TX: 1490 RX: 1310	LC	Single-mode, 9/125	N/A	20 km (12.43 miles)
SFP-GE-LH40-S M1310-BIDI	TX: 1310 RX: 1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-S M1550-BIDI	TX: 1550 RX: 1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-S M1310-BIDI-I	TX: 1310 RX: 1490	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-S M1490-BIDI-I	TX: 1490 RX: 1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH70-S M1490-BIDI	TX: 1490 RX: 1550	LC	Single-mode, 9/125	N/A	70 km (43.50 miles)

GE SFP transceiver module/cable	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (μm)	Modal bandwidth (MHz*km)	Max. transmission distance
SFP-GE-LH70-S M1550-BIDI	TX: 1550 RX: 1490	LC	Single-mode, 9/125	N/A	70 km (43.50 miles)
SFP cable					
SFP-STACK-Kit	N/A	N/A	SFP cable	N/A	1.5 m (4.92 ft)

! IMPORTANT:

The SFP-GE-LX-SM1310-BIDI and SFP-GE-LX-SM1490-BIDI transceiver modules, the SFP-GE-LH40-SM1310-BIDI and SFP-GE-LH40-SM1550-BIDI transceiver modules, and the SFP-GE-LH70-SM1490-BIDI and SFP-GE-LH70-SM1550-BIDI transceiver modules, and the SFP-GE-LX-SM1310-BIDI-S and SFP-GE-LX-SM1490-BIDI-S transceiver modules, and the SFP-GE-LX-SM1310-BIDI-I and SFP-GE-LX-SM1490-BIDI-I transceiver modules, and the SFP-GE-LH20-SM1310-BIDI-I and SFP-GE-LH20-SM1490-BIDI-I transceiver modules, and the SFP-GE-LH40-SM1310-BIDI-I and SFP-GE-LH40-SM1490-BIDI-I transceiver modules must be used in pairs. For example, if one end uses an SFP-GE-LX-SM1310-BIDI transceiver module, the other end must use an SFP-GE-LX-SM1490-BIDI transceiver module.

NOTE:

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

Table5-11 2.5GE SFP transceiver modules

FE SFP transceiver module	Central wavelength (nm)	Connector	Fiber type and diameter (μm)	Max transmission distance
SFP-2.5G-LX10-SM1310-D R	1310	LC	Single-mode, 9/125	10 km (6.21 miles)
SFP-2.5G-LX10-SM1310-D R-L	1310	LC	Single-mode, 9/125	10 km (6.21 miles)
SFP-2.5G-LX10-SM1310-D R-I	1310	LC	Single-mode, 9/125	10 km (6.21 miles)
SFP-2.5G-LX10-SM1310-D R-I-F	1550	LC	Single-mode, 9/125	10 km (6.21 miles)

SFP+ port

Table5-12 SFP+ port specifications (1)

Item	Specification
Available transceiver modules and cables	• See GE SFP transceiver modules and cables described in Table5-9 • See 2.5GE SFP transceiver modules and cables described in Table5-11 • See 10GE SFP+ transceiver modules and cables described in Table5-14

Item	Specification
	and Table5-16
Compatible switch models	S5136S-8FP4XS-EI-Q, S5136S-10FPT4X-EI-Q, S5136S-8T4XS-EI-Q, S5136S-10T4X-EI-Q, S5136S-16T4X-EI-Q, S5136S-24T4X-EI-Q, S5136S-48T4X-EI-Q, S5136S-16FP4X-EI, S5136S-24FP4S4X-EI, S5136S-24P4X-EI, S5136S-24S8T4X-EI, S5136S-48FP4X-EI, S5136S-48P4X-EI, S5136S-48S2T4X-EI, S5136S-48ST4X-EI
Restrictions and guidelines	- To use the SFP-GE-T, SFP-GE-T-D, or transceiver modules with a maximum transmission distance greater than or equal to 80 km (49.71 miles) on the following switch models, make sure the ambient temperature does not exceed 40°C (104°F). - S5136S-8T4XS-EI-Q - S5136S-10T4X-EI-Q - S5136S-10FPT4X-EI-Q - S5136S-8FP4XS-EI-Q - S5136S-48T4X-EI-Q - S5136S-48S2T4X-EI - S5136S-48ST4X-EI - S5136S-24S8T4X-EI - S5136S-24T4X-EI-Q - S5136S-16T4X-EI-Q - When you use the following transceiver modules on an S5136S-48S2T4X-EI or S5136S-48ST4X-EI switch, make sure the number of the transceiver modules does not exceed 30. - SFP-GE-T. - SFP-GE-T-D. - Transceiver modules with a maximum transmission distance greater than or equal to 80 km (49.71 miles). - The following switches do not support the SFP-XG-CPRI-IR-SM1310 and SFP-XG-CPRI-LR-SM1310 transceiver modules: - S5136S-48S2T4X-EI - S5136S-48ST4X-EI - S5136S-24S8T4X-EI - S5136S-24T4X-EI-Q - S5136S-16T4X-EI-Q - S5136S-24T4S-EI-Q - After SFP+ ports are installed with 2.5GE SFP transceiver modules, the port speed can only be autonegotiated as 2500 Mbps and cannot be configured as 2500 Mbps.

Table5-13 SFP+ port specifications (2)

Item	Specification
Available transceiver modules and cables	- See GE SFP transceiver modules and cables described in Table5-10 - See 2.5GE SFP transceiver modules and cables described in Table5-11 - See 10GE SFP+ transceiver modules and cables described in Table5-15 and Table5-16
Compatible switch models	S5136S-8N2X-EI, S5136S-8UN2X-EI, S5136S-8FP4UN4X-EI
Restrictions and guidelines	To use the SFP-GE-T, SFP-GE-T-I, or transceiver modules with a maximum transmission distance greater than or equal to 80 km (49.71 miles) on the following switch models, make sure the ambient temperature does not exceed 40°C (104°F).

Item	Specification
	○ S5136S-8N2X-EI ○ S5136S-8UN2X-EI ○ S5136S-8FP4UN4X-EI • The S5136S-8FP4UN4X-EI switch does not support the SFP-10GE-T copper transceiver module. • After SFP+ ports are installed with 2.5GE SFP transceiver modules, the port speed can only be autonegotiated as 2500 Mbps and cannot be configured as 2500 Mbps.

Table5-14 10GE SFP+ transceiver modules available for the SFP+ ports (1)

10GE SFP+ transceiver module	Central wavelength (nm)	Connector	Fiber type and diameter (μm)	Modal bandwidth (MHz*km)	Max. transmission distance
SFP-XG-SX-MM8 50-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-SX-MM8 50-E	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-MM8 50-S	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-SM1 310-D	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1 310-E	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1 310-S	1310	LC	Single-mode	N/A	10 km (6.21 miles)
SFP-XG-LH40-S M1550	1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-XG-LH40-S M1550-D	1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-XG-LH80-S M1550	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-XG-LH80-S M1550-D	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)

10GE SFP+ transceiver module	Central wavelength (nm)	Connector	Fiber type and diameter (μm)	Modal bandwidth (MHz*km)	Max. transmission distance
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-CPRI-IR-SM1310	1310	LC	Single-mode, 9/125	N/A	1.4 km (0.87 miles)
SFP-XG-CPRI-LR-SM1310	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 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, and SFP-XG-LH40-SM1270-BIDI and SFP-XG-LH40-SM1330-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.

Table5-15 10GE SFP+ transceiver modules available for the SFP+ ports (2)

10GE SFP+ transceiver module	Central wavelength (nm)	Connector	Fiber type and diameter (μm)	Modal bandwidth (MHz*km)	Max. transmission distance
SFP-XG-SX-MM8 50-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-MM8 50-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-SX-MM8	850	LC	Multi-mode,	2000	300 m (984.25 ft)

10GE SFP+ transceiver module	Central wavelength (nm)	Connector	Fiber type and diameter (µm)	Modal bandwidth (MHz*km)	Max. transmission distance
50-E			50/125	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-MM8 50-S	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-SM1 310	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1 310-D	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1 310-E	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1 310-S	1310	LC	Single-mode	N/A	10 km (6.21 miles)
SFP-XG-LH40-S M1550	1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-XG-LH40-S M1550-D	1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-XG-LH40-S M1550-S	1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-XG-LH80-S M1550	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-XG-LH80-S M1550-D	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-XG-LX-SM1 270-BIDI	TX: 1270 RX: 1330	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1 330-BIDI	TX: 1330 RX: 1270	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LH40-S M1270-BIDI	TX: 1270 RX: 1330	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-XG-LH40-S M1330-BIDI	TX: 1330 RX: 1270	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-XG-CPRI-IR-SM1310	1310	LC	Single-mode, 9/125	N/A	1.4 km (0.87 miles)
SFP-XG-CPRI-LR-SM1310	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LH80-S	Tx: 1490	LC	Single-mode,	N/A	80 km (49.71 miles)

10GE SFP+ transceiver module	Central wavelength (nm)	Connector	Fiber type and diameter (μm)	Modal bandwidth (MHz*km)	Max. transmission distance
M1490-BIDI	Rx: 1550		9/125		
SFP-XG-LH80-S M1550-BIDI	Tx: 1550 Rx: 1490	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-XGSPON-S TICK-N2-SM1270-I	Tx: 1270 Rx: 1577	SC	Single-mode, 9/125	N/A	20 km (12.43 miles)
SFP-XG-LX-SM1 271-A	1271	LC	Single-mode, 9/125	N/A	8 km (4.97 miles)
SFP-XG-LX-SM1 291-A	1291	LC	Single-mode, 9/125	N/A	8 km (6.21 miles)
SFP-XG-LX-SM1 311-A	1311	LC	Single-mode, 9/125	N/A	8 km (6.21 miles)
SFP-XG-LX-SM1 331-A	1331	LC	Single-mode, 9/125	N/A	8 km (6.21 miles)
SFP+ copper transceiver modules					
SFP-10GE-T	N/A	RJ-45	Category 6a STP/Category 7 twisted pair cable	N/A	30 m (98.43 ft)



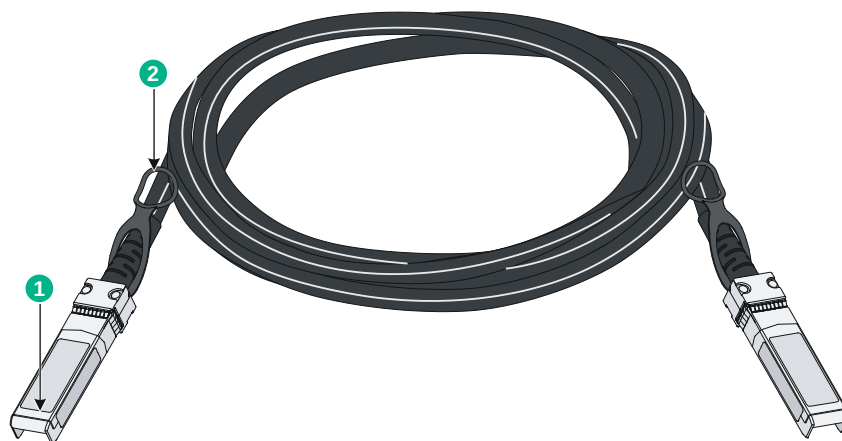
IMPORTANT:

The SFP-XG-LX-SM1270-BIDI and SFP-XG-LX-SM1330-BIDI transceiver modules, and SFP-XG-LH40-SM1270-BIDI and SFP-XG-LH40-SM1330-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.

Table5-16 10GE SFP+ copper and fiber cables available for the SFP+ ports

10GE SFP+ cable	Cable length
SFP+ copper cable	
LSWM1STK	0.65 m (2.13 ft)
LSWM2STK	1.2 m (3.94 ft)
LSWM3STK	3 m (9.84 ft)
LSTM1STK	5 m (16.40 ft)
SFP+ fiber cable	
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)

Figure5-1 SFP+ cable



(1) Connector

(2) Pull latch

NOTE:

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

Combo interface

An S5136S-48S2T4X-EI switch provides two fixed combo interfaces on the front panel. An S5136S-24FP4S4X-EI or S5136S-24FP4T4S-EI switch provides four fixed combo interfaces on the front panel. An S5136S-24S8T4X-EI switch provides eight fixed combo interfaces on the front panel.

Each combo interface contains an SFP port and a 10/100/1000BASE-T autosensing Ethernet port. Only one of these two ports operates at a time.

LEDs

System status LED

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

Table5-17 System status LED description

LED mark	Status	Description
SYS	Steady yellow	Boot ROM booting stage.
	Steady green	Linux kernel booting stage, or the switch has started up correctly.
	Flashing green (1 Hz)	Software image loading and decompressing stage, or software booting stage.
	Steady red	The switch has failed POST or the switch is faulty.
	Off	The switch is powered off or has not started up correctly.

Management Ethernet port LED

Table5-18 Management Ethernet port LED description

LED mark	Status	Description
ACT/LINK	Steady green	A link is present on the port.
	Flashing green	The port is receiving or sending data.
	Off	No link is present on the port.

Power supply status LED

The S5136S-24S8T4X-EI, S5136S-48S2T4X-EI, and S5136S-48ST4X-EI switches each provide two removable power supply slots on the rear panel. The power supply status LEDs on the front panel indicate the operating status of the power supplies.

Table5-19 Power supply status LED description

LED mark	Status	Description
PWR1/PWR2	Steady green	A power supply is installed in the power supply slot, and the power supply is outputting power correctly.
	Steady yellow	A power supply is installed in the power supply slot, but the power supply is faulty or not powered on.
	Off	No power supply is installed in the power supply slot.

Mode LED

The mode LED works in conjunction with the port LEDs to indicate the operating state of the ports and the switch.

- The mode LED indicates the type of information that the port LEDs are showing.
- You can use the mode button to change the indication of the mode LED. After you press the mode button for the mode LED to steady yellow, flashing green, or flashing yellow, the mode LED keeps that state for only 45 seconds and then turns steady green automatically.
- You can use the mode button to change the indication of the mode LED. After you press the mode button for the mode LED to steady yellow, the LED for the uplink port turns off and is not displayed.
- With the **push-button mode enable** command executed on the device, if you press the mode button for 5 to 10 seconds, the device will be deployed to Cloudnet or will be disconnected from Cloudnet based on the connection status with Cloudnet. Pressing the mode button for up to 5 seconds can change the port information for the port LED. Pressing the mode button for more than 10 seconds does not take effect, because the device is not managed by Cloudnet or has been disconnected from Cloudnet.

Table5-20 Mode LED description

LED mark	Status	Description
MODE	Steady green	The port LEDs are showing link state of the ports.
	Flashing green	The port LEDs are showing the PoE status of the ports.

LED mark	Status	Description
	Steady yellow	The port LEDs are showing the duplex status of the ports.
	Flashing yellow	The port LEDs work in conjunction to indicate the IRF member ID of the switch. For example, if the LED for port 3 is steady green, the IRF member ID of the switch is 3.

SFP/SFP+ port LED

Table5-21 SFP/SFP+ port LED description

LED status	Description
Steady green	A link is present on the port.
Flashing green	The port is receiving or sending data.
Off	- No link is present on the port. - The mode LED is operating in PoE mode (available only for PoE switch models). - The mode LED is operating in duplex mode.

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

Table5-22 2.5G/1000/100BASE-T autosensing Ethernet port LED description

Mode LED status	2.5G/1000/100BASE-T autosensing 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 models)	Steady green	Normal PoE power supply.
	Flashing green (1 Hz)	- The device attached to the port requires power higher than the maximum PoE output power of the port. - PoE overvoltage, overcurrent, or short circuit has occurred. - The remaining power of the switch is not sufficient for the PoE output requirement of the port.
	Off	No link is present on the port, or PoE is not enabled on the port.
Flashing yellow (IRF mode)	Off	

10/100/1000BASE-T Ethernet port LED

The Ethernet port LEDs work in conjunction with the mode LED to indicate the operating state of the Ethernet ports and the switch from different aspects. [Table5-23](#) describes the Ethernet port LEDs on a PoE switch. [Table5-24](#) describes the Ethernet port LEDs on a non-PoE switch.

Table5-23 Ethernet port LED description for PoE switch models

Mode LED status (MODE)	Ethernet port LED status	Description
Steady green (Link/Active mode)	Steady green	A link is present on the port.
	Flashing green	The port is receiving or sending 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 fails to meet the power requirement of the PD. - PoE power supply overcurrent, overvoltage, or shortcircuit occurs. - The remaining power of the switch fails to 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.
Steady yellow	Steady green	The downlink port is operating in half duplex mode.
	Flashing green	The downlink port is operating in full duplex mode.
	Off	No link is present on the downlink port.
Flashing yellow (IRF mode)	Steady green	The Ethernet port LEDs work in conjunction to indicate the IRF member ID of the switch. For example, if the LED for port 5 is steady green, the IRF member ID of the switch is 5.

Table5-24 Ethernet port LED description for non-PoE switch models

Mode LED status (MODE)	Ethernet port LED status	Description
Steady green (Link/Active mode)	Steady green	A link is present on the port.
	Flashing green	The port is receiving or sending data.
	Off	No link is present on the port.
Steady yellow	Steady green	The downlink port is operating in half duplex mode.
	Flashing green	The downlink port is operating in full duplex mode.
	Off	No link is present on the downlink port.
Flashing yellow (IRF mode)	Steady green	The Ethernet port LEDs work in conjunction to indicate the IRF member ID of the switch. For example, if the LED for port 5 is steady green,

Mode LED status (MODE)	Ethernet port LED status	Description
		the IRF member ID of the switch is 5.

Cloudnet management status LED

Table5-25 Cloudnet management status LED description

LED status	Description
Steady blue	The switch has been managed by Cloudnet.
Flashing blue (1 Hz)	The switch is being connected to Cloudnet.
Flashing blue (3 Hz)	Invalid action. The switch is not managed by Cloudnet or has been disconnected from Cloudnet.
Off	The switch is not connected to Cloudnet.

Location LED

To identify the switch location, execute the **locator blink *blink-time*** command. This LED will flash blue at 1 Hz.

6 Buttons

Reset button

Figure6-1 Reset button description

Button	Description
Reset button	• To reboot the switch, press and hold the button for less than 5 seconds and release the button when the SYS LED flashes red slowly (1 Hz). • To restore the factory default and reboot the switch, press and hold the button for more than 5 seconds and release the button when the SYS LED flashes red rapidly (8 Hz). After the switch joins an IRF fabric, the operation does not take effect and the system generates a message. To restore the factory default and reboot the switch via the reset button, first remove the switch from the IRF fabric.

7 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.

Table7-1 Cooling system

Switch model	Fan tray type	Airflow direction
S5136S-8FP4XS-EI-Q S5136S-8T4XS-EI-Q S5136S-10FPT4X-EI-Q S5136S-10T4X-EI-Q S5136S-16T4X-EI-Q S5136S-24T4S-EI-Q S5136S-24T4X-EI-Q S5136S-48T4S-EI-Q S5136S-48T4X-EI-Q S5136S-8N2X-EI S5136S-8FP4UN4X-EI	Fanless	Passive cooling
S5136S-16FP4X-EI S5136S-24FP4S4X-EI S5136S-24FP4T4S-EI S5136S-24P4X-EI S5136S-24S8T4X-EI S5136S-48FP4S-EI S5136S-48FP4X-EI S5136S-48P4S-EI S5136S-48P4X-EI S5136S-48S2T4X-EI S5136S-48ST4X-EI S5136S-8UN2X-EI	Fixed fans	From the left side to the right side

Figure7-1 Airflow through the S5136S-48S2T4X-EI chassis

