

H3C S5130S-EI-G-V2 Switch Series

Hardware Information and Specifications

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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

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	1-1
Technical specifications for non-PoE switch models	1-1
Technical specifications for PoE switch models	1-9
2 Chassis views	2-1
S5130S-28T8X-EI-G-V2	2-1
S5130S-48T6X-EI-G-V2	2-2
S5130S-28S8T8X-EI-G-V2	2-3
S5130S-48S6X-EI-G-V2	2-4
S5130S-24UN8X-EI-G-V2	2-5
S5130S-48UN6X-EI-G-V2	2-6
S5130S-48U6X-EI-G-V2	2-7
S5130S-28U4S8X-EI-G-V2	2-8
S5130S-28P8X-EI-G-V2	2-9
S5130S-48P6X-EI-G-V2	2-10
S5130S-48UN4XC-EI-G-V2	2-11
S5130S-24UN8XC-EI-G-V2	2-12
S5130S-24N8XC-EI-G-V2	2-13
S5130S-48N4XC-EI-G-V2	2-14
3 FRUs and compatibility matrixes	3-1
4 Removable power supplies	4-1
70W power supply (CA-70A12)	4-1
View	4-1
Function	4-1
Technical specifications	4-2
180W power supply (PSR180-12A-F and PSR180-12A-B)	4-2
View	4-2
Function	4-3
Technical specifications	4-3
180W power supply (PSR180-12D-B)	4-4
View	4-4
Function	4-4
Technical specifications	4-4
600W power supply (PSR600-54A-B)	4-5
View	4-5
Function	4-5
Technical specifications	4-6
LEDs	4-6
920W power supply (PSR920-54A-B)	4-7
View	4-7
Function	4-7
Technical specifications	4-7
LEDs	4-8
1300W DC power supply (PSR1300-54D-B)	4-9
View	4-9
Function	4-9
Technical specifications	4-10
LEDs	4-10
1600W power supply (PSR1600-54A-B)	4-11
View	4-11
Function	4-11
Technical specifications	4-11
LEDs	4-12

5 Expansion cards	5-1
6 Ports and LEDs	6-1
Ports	6-1
Console port	6-1
Management Ethernet port	6-1
USB port	6-2
SFP port	6-2
SFP+ port	6-6
10/100/1000BASE-T Ethernet port	6-22
10/100/1000/2500BASE-T Ethernet port	6-22
2.5G/1000/100/10BASE-T autosensing Ethernet port	6-22
Port rate limit restrictions	6-23
LEDs	6-24
System status LED	6-24
Removable power supply status LED	6-25
Mode LED	6-25
Management Ethernet port LED	6-25
10/100/1000BASE-T autosensing Ethernet port LED	6-26
10/100/1000/2500BASE-T autosensing Ethernet port LED	6-26
2.5G/1000/100/10BASE-T autosensing Ethernet port LED	6-27
SFP+ port LED	6-28
ID LED	6-28
7 Buttons	7-1
Reset button	7-1
8 Cooling system	8-1

1 Product models and technical specifications

Product models

Table1-1 Switch series and models

Switch series		Model	Product code
S5130S-EI-G-V2 switch series	Non-PoE models	S5130S-28T8X-EI-G-V2	LS-5130S-28T8X-EI-G3-V2
		S5130S-48T6X-EI-G-V2	LS-5130S-48T6X-EI-G3-V2
		S5130S-28S8T8X-EI-G-V2	LS-5130S-28S8T8X-EI-G3-V2
		S5130S-48S6X-EI-G-V2	LS-5130S-48S6X-EI-G3-V2
		S5130S-24N8XC-EI-G-V2	LS-5130S-24N8XC-EI-G1-V2
		S5130S-48N4XC-EI-G-V2	LS-5130S-48N4XC-EI-G1-V2
	PoE models	S5130S-24UN8X-EI-G-V2	LS-5130S-24UN8X-EI-G1-V2
		S5130S-28U4S8X-EI-G-V2	LS-5130S-28U4S8X-EI-G3-V2
		S5130S-28P8X-EI-G-V2	LS-5130S-28P8X-EI-G3-V2
		S5130S-48P6X-EI-G-V2	LS-5130S-48P6X-EI-G3-V2
		S5130S-48UN6X-EI-G-V2	LS-5130S-48UN6X-EI-G1-V2
		S5130S-48U6X-EI-G-V2	LS5130S-48U6X-EI-G-V2
		S5130S-48UN4XC-EI-G-V2	LS-5130S-48UN4XC-EI-G1-V2
		S5130S-24UN8XC-EI-G-V2	LS-5130S-24UN8XC-EI-G1-V2

Technical specifications

Technical specifications for non-PoE switch models

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

Item	S5130S-48T6X-EI-G-V2	S5130S-48S6X-EI-G-V2
Physical specifications		
Dimensions (H × W × D)	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)	120 × 560 × 485 mm (4.72 × 22.05 × 19.09 in)	120 × 560 × 485 mm (4.72 × 22.05 × 19.09 in)
Weight	≤ 5.9 kg (13.01 lb)	≤ 5.9 kg (13.01 lb)

Item	S5130S-48T6X-EI-G-V2	S5130S-48S6X-EI-G-V2
Technical specifications		
Memory (RAM)	2 G	2 G
Flash	8 G	8 G
Port types and quantity		
Console port	1 × serial console port 1 × USB Type-C console port Only the USB Type-C console port is available when you connect both ports.	1 × serial console port 1 × USB Type-C console port Only the USB Type-C console port is available when you connect both ports.
USB port	1	1
Management Ethernet port	1	1
SFP+ port	6	6
SFP port	N/A	48
10/100/1000BASE-T autosensing Ethernet port	48	N/A
Fan tray, power supply, and expansion module slots		
Expansion module slot	N/A	N/A
Power supply slot	2, on the rear panel	2, on the rear panel
Fan tray slot	N/A	N/A
Power supply specifications		
Power input type	AC input, DC input Note: For DC input, you can use a –48 VDC power source in the equipment room or an RPS (H3C RPS1600-A).	AC input, DC input Note: For DC input, you can use a –48 VDC power source in the equipment room or an RPS (H3C RPS1600-A).
Power supply specifications	See " Removable power supplies "	See " Removable power supplies "
System power consumption		
Power consumption (static) Data collection standard: no load	Single AC input: 30 W Dual AC inputs: 30 W Single DC input: 34 W Dual DC inputs: 41 W	Single AC input: 26 W Dual AC inputs: 26 W Single DC input: 30 W Dual DC inputs: 37 W
Power consumption (typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Single AC input: 56 W Dual AC inputs: 55 W Single DC input: 56 W Dual DC inputs: 64 W	Single AC input: 31 W Dual AC inputs: 32 W Single DC input: 35 W Dual DC inputs: 42 W
Power consumption	Single AC input: 66 W	Single AC input: 72 W

Item	S5130S-48T6X-EI-G-V2	S5130S-48S6X-EI-G-V2
(full load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic	Dual AC inputs: 65 W Single DC input: 65 W Dual DC inputs: 72 W	Dual AC inputs: 72 W Single DC input: 72 W Dual DC inputs: 79 W
System thermal consumption		
Thermal consumption (static) Data collection standard: no load	Single AC input: 103 BTU/h Dual AC inputs: 103 BTU/h Single DC input: 117 BTU/h Dual DC inputs: 140 BTU/h	Single AC input: 89 BTU/h Dual AC inputs: 89 BTU/h Single DC input: 103 BTU/h Dual DC inputs: 127 BTU/h
Thermal consumption (typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Single AC input: 192 BTU/h Dual AC inputs: 188 BTU/h Single DC input: 192 BTU/h Dual DC inputs: 246 BTU/h	Single AC input: 106 BTU/h Dual AC inputs: 110 BTU/h Single DC input: 120 BTU/h Dual DC inputs: 144 BTU/h
Thermal consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic	Single AC input: 226 BTU/h Dual AC inputs: 222 BTU/h Single DC input: 222 BTU/h Dual DC inputs: 246 BTU/h	Single AC input: 246 BTU/h Dual AC inputs: 246 BTU/h Single DC input: 246 BTU/h Dual DC inputs: 270 BTU/h
Heat dissipation		
Cooling method	Fixed fans	Fixed fans
Ventilation aisles	Front-rear air aisle, from the port side to the power supply side	Front-rear air aisle, from the port side to the power supply side
Reliability and availability		
Power supply redundancy	1+1	1+1
Fan tray redundancy	Fixed fans	Fixed fans
Mean time between failure (MTBF) (year)	108.1	126.9
Mean time to repair (MTTR) (hour)	1	1
Availability	99.999894%	99.999910%
Environment specifications		
Sound pressure level at 27°C	31.8 dB	41.5 dB

Item	S5130S-48T6X-EI-G-V2	S5130S-48S6X-EI-G-V2
(80.6°F)		
Altitude	0 to 5000 m (0 to 16404.20 ft)	0 to 5000 m (0 to 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).	-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)	-40°C to +70°C (-40°F to +158°F)
Relative humidity	5% RH to 95% RH, noncondensing	5% RH to 95% RH, noncondensing
Compliance		
Product compliance	• Safety standards • EMC standards • Environmental and eco-friendly standards	• Safety standards • EMC standards • Environmental and eco-friendly standards

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

Item	S5130S-28S8T8X-EI-G-V2	S5130S-28T8X-EI-G-V2
Physical specifications		
Dimensions (H × W × D)	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)	120 × 560 × 485 mm (4.72 × 22.05 × 19.09 in)	125 × 580 × 562 mm (4.92 × 22.83 × 22.13 in)
Weight	≤ 6.6 kg (14.55 lb)	≤ 6 kg (13.23 lb)
Technical specifications		
Memory (RAM)	2 G	2 G
Flash	8 G	8 G
Port types and quantity		
Console port	• 1 × serial console port • 1 × USB Type-C console port Only the USB Type-C console port is available when you connect both ports.	• 1 × serial console port • 1 × USB Type-C console port Only the USB Type-C console port is available when you connect both ports.
USB port	1	1
Management Ethernet port	1	1
SFP+ port	8	8
SFP port	24 (The eight highest-numbered SFP ports form combo interfaces with their corresponding 10/100/1000BASE-T autosensing Ethernet ports, respectively)	N/A
10/100/1000BASE-	8 (each forms a combo interface with the	28

Item	S5130S-28S8T8X-EI-G-V2	S5130S-28T8X-EI-G-V2
T autosensing Ethernet port	corresponding SFP port)	
Fan tray, power supply, and expansion module slots		
Expansion module slot	N/A	N/A
Power supply slot	2, on the rear panel	2, on the rear panel
Fan tray slot	N/A	N/A
Power supply specifications		
Power input type	AC input, DC input Note: For DC input, you can use a –48 VDC power source in the equipment room or an RPS (H3C RPS1600-A).	AC input, DC input Note: For DC input, you can use a –48 VDC power source in the equipment room or an RPS (H3C RPS1600-A).
Power supply specifications	See " Removable power supplies "	See " Removable power supplies "
System power consumption		
Power consumption (static) Data collection standard: no load	Single AC input: 28 W Dual AC inputs: 35 W Single DC input: 23 W Dual DC inputs: 24 W	Single AC input: 24 W Dual AC inputs: 24 W Single DC input: 28 W Dual DC inputs: 35 W
Power consumption (typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Single AC input: 32 W Dual AC inputs: 39 W Single DC input: 28 W Dual DC inputs: 28 W	Single AC input: 37 W Dual AC inputs: 37 W Single DC input: 40 W Dual DC inputs: 47 W
Power consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic	Single AC input: 58 W Dual AC inputs: 66 W Single DC input: 58 W Dual DC inputs: 57 W	Single AC input: 55 W Dual AC inputs: 55 W Single DC input: 57 W Dual DC inputs: 64 W
System thermal consumption		
Thermal consumption (static) Data collection standard: no load	Single AC input: 96 BTU/h Dual AC inputs: 120 BTU/h Single DC input: 79 BTU/h Dual DC inputs: 82 BTU/h	Single AC input: 82 BTU/h Dual AC inputs: 82 BTU/h Single DC input: 96 BTU/h Dual DC inputs: 119 BTU/h
Thermal consumption (typical) Data collection standard: fully configured with	Single AC input: 110 BTU/h Dual AC inputs: 134 BTU/h Single DC input: 96 BTU/h Dual DC inputs: 96 BTU/h	Single AC input: 126 BTU/h Dual AC inputs: 126 BTU/h Single DC input: 136 BTU/h Dual DC inputs: 160 BTU/h

Item	S5130S-28S8T8X-EI-G-V2	S5130S-28T8X-EI-G-V2
copper cables or network cables, 30% traffic		
Thermal consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic	Single AC input: 198 BTU/h Dual AC inputs: 226 BTU/h Single DC input: 198 BTU/h Dual DC inputs: 195 BTU/h	Single AC input: 188 BTU/h Dual AC inputs: 188 BTU/h Single DC input: 194 BTU/h Dual DC inputs: 218 BTU/h
Heat dissipation		
Cooling method	Fixed fans	Fixed fans
Ventilation aisles	Front-rear air aisle, from the port side to the power supply side	Front-rear air aisle, from the port side to the power supply side
Reliability and availability		
Power supply redundancy	1+1	1+1
Fan tray redundancy	Fixed fans	Fixed fans
MTBF (year)	126.6	142.9
MTTR (hour)	1	1
Availability	99.999909%	99.9999%
Environment specifications		
Sound pressure level at 27°C (80.6°F)	31.8 dB	39.7 dB
Altitude	0 to 5000 m (0 to 16404.20 ft)	0 to 5000 m (0 to 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).	–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)	–40°C to +70°C (–40°F to +158°F)
Relative humidity	5% RH to 95% RH, noncondensing	5% RH to 95% RH, noncondensing
Compliance		
Product compliance	• Safety standards • EMC standards • Environmental and eco-friendly standards	• Safety standards • EMC standards • Environmental and eco-friendly standards

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

Item	S5130S-48N4XC-EI-G-V2	S5130S-24N8XC-EI-G-V2
Physical specifications		
Dimensions (H × W × D)	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)	135 × 590 × 567 mm (5.32 × 23.23 × 22.32 in)	135 × 590 × 567 mm (5.32 × 23.23 × 22.32 in)
Weight	≤ 6.4 kg (14.11 lb)	≤ 6.3 kg (13.89 lb)
Technical specifications		
Memory (RAM)	2 G	2 G
Flash	8 G	8 G
Port types and quantity		
Console port	1 × serial console port 1 × USB Type-C console port Only the USB Type-C console port is available when you connect both ports.	1 × serial console port 1 × USB Type-C console port Only the USB Type-C console port is available when you connect both ports.
USB port	1	1
Management Ethernet port	1	1
SFP+ port	4	8
2.5G/1000/100/10B ASE-T autosensing Ethernet port	48	24
Fan tray, power supply, and expansion module slots		
Expansion module slot	1	1
Power supply slot	2, on the rear panel	2, on the rear panel
Fan tray slot	N/A	N/A
Power supply specifications		
Power input type	AC input, DC input Note: For DC input, you can use a –48 VDC power source in the equipment room or an RPS (H3C RPS1600-A).	AC input, DC input Note: For DC input, you can use a –48 VDC power source in the equipment room or an RPS (H3C RPS1600-A).
Power supply specifications	See " Removable power supplies "	See " Removable power supplies "
System power consumption		
Power consumption (static) Data collection standard: no load	Single DC input: 35 W Dual DC inputs: 43 W Single AC input: 32 W Dual AC inputs: 33 W	Single DC input: 34 W Dual DC inputs: 39 W Single AC input: 27 W Dual AC inputs: 27 W

Item	S5130S-48N4XC-EI-G-V2	S5130S-24N8XC-EI-G-V2
Power consumption (typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Single DC input: 72 W Dual DC inputs: 80 W Single AC input: 75 W Dual AC inputs: 74 W	Single DC input: 54 W Dual DC inputs: 58 W Single AC input: 55 W Dual AC inputs: 56 W
Power consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic	Single DC input: 80 W Dual DC inputs: 86 W Single AC input: 84 W Dual AC inputs: 83 W	Single DC input: 71 W Dual DC inputs: 74 W Single AC input: 70 W Dual AC inputs: 70 W
System thermal consumption		
Thermal consumption (static) Data collection standard: no load	Single DC input: 119 BTU/h Dual DC inputs: 147 BTU/h Single AC input: 109 BTU/h Dual AC inputs: 113 BTU/h	Single DC input: 116 BTU/h Dual DC inputs: 133 BTU/h Single AC input: 92 BTU/h Dual AC inputs: 92 BTU/h
Thermal consumption (typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Single DC input: 245 BTU/h Dual DC inputs: 273 BTU/h Single AC input: 256 BTU/h Dual AC inputs: 253 BTU/h	Single DC input: 185 BTU/h Dual DC inputs: 198 BTU/h Single AC input: 188 BTU/h Dual AC inputs: 191 BTU/h
Thermal consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic	Single DC input: 273 BTU/h Dual DC inputs: 292 BTU/h Single AC input: 287 BTU/h Dual AC inputs: 281 BTU/h	Single DC input: 242 BTU/h Dual DC inputs: 252 BTU/h Single AC input: 239 BTU/h Dual AC inputs: 237 BTU/h
Heat dissipation		
Cooling method	Fixed fans	Fixed fans
Ventilation aisles	Front-rear air aisle, from the port side to the power supply side	Front-rear air aisle, from the port side to the power supply side
Reliability and availability		
Power supply redundancy	1+1	1+1
Fan tray redundancy	Fixed fans	Fixed fans
MTBF (year)	38	56

Item	S5130S-48N4XC-EI-G-V2	S5130S-24N8XC-EI-G-V2
MTTR (hour)	1	1
Availability	99.9997%	99.9998%
Environment specifications		
Sound pressure level at 27°C (80.6°F)	31.8 dB	31.8 dB
Altitude	0 to 5000 m (0 to 16404.20 ft)	0 to 5000 m (0 to 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).	-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)	-40°C to +70°C (-40°F to +158°F)
Relative humidity	5% RH to 95% RH, noncondensing	5% RH to 95% RH, noncondensing
Compliance		
Product compliance	- Safety standards - EMC standards - Environmental and eco-friendly standards	- Safety standards - EMC standards - Environmental and eco-friendly standards

Technical specifications for PoE switch models

Table1-5 Technical specifications for PoE switch models (1)

Item	S5130S-24UN8X-EI-G-V2	S5130S-48UN6X-EI-G-V2
Physical specifications		
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)
Dimensions (H × W × D, with package materials)	170 × 570 × 570 mm (6.69 × 22.44 × 22.44 in)	168 × 598 × 566 mm (6.61 × 23.54 × 22.28 in)
Weight	≤ 6.5 kg (14.33 lb)	≤ 6.7 kg (14.77 lb)
Technical specifications		
Memory (RAM)	2 G	2 G
Flash	8 G	8 G
Port types and quantity		
Console port	1 × serial console port 1 × USB Type-C console port Only the USB Type-C console port is available when you connect both ports.	1 × serial console port 1 × USB Type-C console port Only the USB Type-C console port is available when you connect both ports.

Item	S5130S-24UN8X-EI-G-V2	S5130S-48UN6X-EI-G-V2
2.5G/1000/100/10 BASE-T autosensing Ethernet port	24	48
SFP+ port	8	6
Power supply specifications		
Power input type	AC input, DC input	AC input, DC input
Power supply specifications	See "Removable power supplies"	See "Removable power supplies"
Melting current of power supply fuse	See "Removable power supplies"	See "Removable power supplies"
PoE power capacity		
Max PoE power per port	100 W	100 W
Total PoE power	See Table1-9	See Table1-9
System power consumption		
Power consumption (static) Data collection standard: no load	Single AC input: 37 W Dual AC inputs: 47 W Single DC input: 33 W Dual DC inputs: 38 W	Single AC input: 51 W Dual AC inputs: 60 W Single DC input: 44 W Dual DC inputs: 51 W
Power consumption (typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Single AC input: 60 W Dual AC inputs: 69 W Single DC input: 54 W Dual DC inputs: 60 W	Single AC input: 104 W Dual AC inputs: 116 W Single DC input: 95 W Dual DC inputs: 102 W
Power consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic, PoE at full load	See Table1-12	See Table1-12
System thermal consumption		
Thermal consumption (static) Data collection standard: no load	Single AC input: 127 BTU/h Dual AC inputs: 162 BTU/h Single DC input: 111 BTU/h Dual DC inputs: 130 BTU/h	Single AC input: 175 BTU/h Dual AC inputs: 205 BTU/h Single DC input: 151 BTU/h Dual DC inputs: 175 BTU/h
Thermal consumption	Single AC input: 205 BTU/h	Single AC input: 355 BTU/h

Item	S5130S-24UN8X-EI-G-V2	S5130S-48UN6X-EI-G-V2
(typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Dual AC inputs: 235 BTU/h Single DC input: 184 BTU/h Dual DC inputs: 202 BTU/h	Dual AC inputs: 396 BTU/h Single DC input: 325 BTU/h Dual DC inputs: 349 BTU/h
Thermal consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic, PoE at full load	See Table1-15	See Table1-15
Heat dissipation		
Cooling method	Fixed fans	Fixed fans
Ventilation aisles	Front-rear air aisle, from the port side to the power supply side	Front-rear air aisle, from the port side to the power supply side
Reliability and availability		
Power supply redundancy	1+1	1+1
Fan tray redundancy	Fixed fans	Fixed fans
Hot swapping	N/A	N/A
MTBF (year)	113.5	86.5
MTTR (hour)	1	1
Availability	99.9999%	99.999868%
Environment specifications		
Sound pressure level at 27°C (80.6°F)	56.4 dB	56.1 dB
Altitude	0 to 5000 m (0 to 16404.20 ft)	0 to 5000 m (0 to 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).	-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)	-40°C to +70°C (-40°F to +158°F)
Relative humidity	5% RH to 95% RH, noncondensing	5% RH to 95% RH, noncondensing

Item	S5130S-24UN8X-EI-G-V2	S5130S-48UN6X-EI-G-V2
Compliance		
Product compliance	• Safety standards • EMC standards • Environmental and eco-friendly standards	• Safety standards • EMC standards • Environmental and eco-friendly standards

Table1-6 Technical specifications for PoE switch models (2)

Item	S5130S-28P8X-EI-G-V2	S5130S-48P6X-EI-G-V2
Physical specifications		
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)
Dimensions (H × W × D, with package materials)	168 × 598 × 566 mm (6.61 × 23.54 × 22.28 in)	168 × 598 × 566 mm (6.61 × 23.54 × 22.28 in)
Weight	≤ 6.5 kg (14.33 lb)	≤ 6.7kg (14.77 lb)
Technical specifications		
Memory (RAM)	2 G	2 G
Flash	8 G	8 G
Port types and quantity		
Console port	• 1 × serial console port • 1 × USB Type-C console port Only the USB Type-C console port is available when you connect both ports.	• 1 × serial console port • 1 × USB Type-C console port Only the USB Type-C console port is available when you connect both ports.
10/100/1000 BASE-T autosensing Ethernet port	24	48
SFP+ port	8	6
Power supply specifications		
Power input type	AC input, DC input	AC input, DC input
Power supply specifications	See " Removable power supplies "	See " Removable power supplies "
Melting current of power supply fuse	See " Removable power supplies "	See " Removable power supplies "
PoE power capacity		
Max PoE power per port	35 W	35 W
Total PoE power	See Table1-10	See Table1-10
System power consumption		
Power consumption (static)	Single AC input: 45 W Dual AC inputs: 53 W	Single AC input: 47 W Dual AC inputs: 56 W

Item	S5130S-28P8X-EI-G-V2	S5130S-48P6X-EI-G-V2
Data collection standard: no load	Single DC input: 37 W Dual DC inputs: 43 W	Single DC input: 39 W Dual DC inputs: 45 W
Power consumption (typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Single AC input: 64 W Dual AC inputs: 72 W Single DC input: 56 W Dual DC inputs: 62 W	Single AC input: 76 W Dual AC inputs: 85 W Single DC input: 66 W Dual DC inputs: 72 W
Power consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic	See Table1-13	See Table1-13
System thermal consumption		
Thermal consumption (static) Data collection standard: no load	Single AC input: 154 BTU/h Dual AC inputs: 181 BTU/h Single DC input: 127 BTU/h Dual DC inputs: 147 BTU/h	Single AC input: 161 BTU/h Dual AC inputs: 192 BTU/h Single DC input: 134 BTU/h Dual DC inputs: 154 BTU/h
Thermal consumption (typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Single AC input: 219 BTU/h Dual AC inputs: 246 BTU/h Single DC input: 192 BTU/h Dual DC inputs: 212 BTU/h	Single AC input: 260 BTU/h Dual AC inputs: 291 BTU/h Single DC input: 226 BTU/h Dual DC inputs: 246 BTU/h
Thermal consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic	See Table1-16	See Table1-16
Heat dissipation		
Cooling method	Fixed fans	Fixed fans
Ventilation aisles	Front-rear air aisle, from the port side to the power supply side	Front-rear air aisle, from the port side to the power supply side

Item	S5130S-28P8X-EI-G-V2	S5130S-48P6X-EI-G-V2
Reliability and availability		
Power supply redundancy	1+1	1+1
Fan tray redundancy	Fixed fans	Fixed fans
Hot swapping	N/A	N/A
MTBF (year)	107.5	93.8
MTTR (hour)	1	1
Availability	99.999893%	99.999878%
Environment specifications		
Sound pressure level at 27°C (80.6°F)	56.1 dB	56.1 dB
Altitude	0 to 5000 m (0 to 16404.20 ft)	0 to 5000 m (0 to 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).	-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)	-40°C to +70°C (-40°F to +158°F)
Relative humidity	5% RH to 95% RH, noncondensing	5% RH to 95% RH, noncondensing
Compliance		
Product compliance	- Safety standards - EMC standards - Environmental and eco-friendly standards	- Safety standards - EMC standards - Environmental and eco-friendly standards

Table1-7 Technical specifications for PoE switch models (3)

Item	S5130S-28U4S8X-EI-G-V2	S5130S-48U6X-EI-G-V2
Physical specifications		
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)
Dimensions (H × W × D, with package materials)	170 × 570 × 570 mm (6.69 × 22.44 × 22.44 in)	168 × 598 × 566 mm (6.61 × 23.54 × 22.28 in)
Weight	≤ 6.5 kg (14.33 lb)	≤ 7 kg (15.43 lb)
Technical specifications		
Memory (RAM)	2 G	2 G

Item	S5130S-28U4S8X-EI-G-V2	S5130S-48U6X-EI-G-V2
Flash	8 G	8 G
Port types and quantity		
Console port	1 × serial console port 1 × USB Type-C console port Only the USB Type-C console port is available when you connect both ports.	1 × serial console port 1 × USB Type-C console port Only the USB Type-C console port is available when you connect both ports.
10/100/1000BASE-T autosensing Ethernet port	24 (The four highest-numbered 10/100/1000BASE-T autosensing Ethernet ports form combo interfaces with their corresponding SFP ports, respectively)	48
SFP port	4 (each forms a combo interface with the corresponding 10/100/1000BASE-T autosensing Ethernet port)	N/A
SFP+ port	8	6
Power supply specifications		
Power input type	AC input, DC input	AC input, DC input
Power supply specifications	See "Removable power supplies"	See "Removable power supplies"
Melting current of power supply fuse	See "Removable power supplies"	See "Removable power supplies"
PoE power capacity		
Max PoE power per port	100 W	100 W
Total PoE power	See Table1-9	See Table1-9
System power consumption		
Power consumption (static) Data collection standard: no load	Single AC input: 41 W Dual AC inputs: 50 W Single DC input: 36 W Dual DC inputs: 41 W	Single AC input: 52 W Dual AC inputs: 61 W Single DC input: 45 W Dual DC inputs: 50 W
Power consumption (typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Single AC input: 60 W Dual AC inputs: 67 W Single DC input: 51 W Dual DC inputs: 58 W	Single AC input: 82 W Dual AC inputs: 92 W Single DC input: 75 W Dual DC inputs: 83 W
Power consumption (full load) Data collection standard: fully configured with transceiver modules or	See Table1-12	See Table1-12

Item	S5130S-28U4S8X-EI-G-V2	S5130S-48U6X-EI-G-V2
network cables, 100% traffic		
System thermal consumption		
Thermal consumption (static) Data collection standard: no load	Single AC input: 140 BTU/h Dual AC inputs: 171 BTU/h Single DC input: 123 BTU/h Dual DC inputs: 140 BTU/h	Single AC input: 177 BTU/h Dual AC inputs: 208 BTU/h Single DC input: 154 BTU/h Dual DC inputs: 171 BTU/h
Thermal consumption (typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Single AC input: 205 BTU/h Dual AC inputs: 229 BTU/h Single DC input: 174 BTU/h Dual DC inputs: 198 BTU/h	Single AC input: 280 BTU/h Dual AC inputs: 314 BTU/h Single DC input: 256 BTU/h Dual DC inputs: 283 BTU/h
Thermal consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic	See Table1-15	See Table1-15
Heat dissipation		
Cooling method	Fixed fans	Fixed fans
Ventilation aisles	Front-rear air aisle, from the port side to the power supply side	Front-rear air aisle, from the port side to the power supply side
Reliability and availability		
Power supply redundancy	1+1	1+1
Fan tray redundancy	Fixed fans	Fixed fans
Hot swapping	N/A	N/A
MTBF (year)	104.8	92.4
MTTR (hour)	1	1
Availability	99.999891%	99.999876%
Environment specifications		
Sound pressure level at 27°C (80.6°F)	56.1 dB	56.1 dB
Altitude	0 to 5000 m (0 to 16404.20 ft)	0 to 5000 m (0 to 16404.20 ft)

Item	S5130S-28U4S8X-EI-G-V2	S5130S-48U6X-EI-G-V2
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).	-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)	-40°C to +70°C (-40°F to +158°F)
Relative humidity	5% RH to 95% RH, noncondensing	5% RH to 95% RH, noncondensing
Compliance		
Product compliance	• Safety standards • EMC standards • Environmental and eco-friendly standards	• Safety standards • EMC standards • Environmental and eco-friendly standards

Table1-8 Technical specifications for PoE switch models (4)

Item	S5130S-48UN4XC-EI-G-V2	S5130S-24UN8XC-EI-G-V2
Physical specifications		
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)
Dimensions (H × W × D, with package materials)	180 × 690 × 580 mm (7.09 × 27.17 × 22.83 in)	180 × 690 × 580 mm (7.09 × 27.17 × 22.83 in)
Weight	≤ 7.5 kg (16.53 lb)	≤ 7.3 kg (16.09 lb)
Technical specifications		
Memory (RAM)	2 G	2 G
Flash	8 G	8 G
Port types and quantity		
Console port	1 × serial console port	1 × serial console port
USB port	1	1
Management Ethernet port	1	1
SFP+ port	4	8
2.5G/1000/100/10 BASE-T autosensing Ethernet port	48	24
Fan tray, power supply, and expansion module slots		
Expansion module slot	1	1
Power supply slot	2, on the rear panel	2, on the rear panel
Fan tray slot	N/A	N/A

Item	S5130S-48UN4XC-EI-G-V2	S5130S-24UN8XC-EI-G-V2
Power supply specifications		
Power input type	AC input, DC input	AC input, DC input
Power supply specifications	See " Removable power supplies "	See " Removable power supplies "
PoE power capacity		
Max PoE power per port	100 W	100 W
Total PoE power	See Table1-11	See Table1-11
System power consumption		
Power consumption (static) Data collection standard: no load	Single DC input: 50 W Single AC input: 52 W Dual DC inputs: 57 W Dual AC inputs: 58 W	Single DC input: 42 W Single AC input: 41 W Dual DC inputs: 51 W Dual AC inputs: 50 W
Power consumption (typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Single DC input: 51 W Single AC input: 112 W Dual DC inputs: 117 W Dual AC inputs: 120 W	Single DC input: 83 W Single AC input: 82 W Dual DC inputs: 90 W Dual AC inputs: 89 W
Power consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic	See Table1-14	See Table1-14
System thermal consumption		
Thermal consumption (static) Data collection standard: no load	Single DC input: 170 BTU/h Single AC input: 178 BTU/h Dual DC inputs: 194 BTU/h Dual AC inputs: 197 BTU/h	Single DC input: 144 BTU/h Single AC input: 140 BTU/h Dual DC inputs: 174 BTU/h Dual AC inputs: 170 BTU/h
Thermal consumption (typical) Data collection standard: fully configured with copper cables or network cables, 30% traffic	Single DC input: 174 BTU/h Single AC input: 382 BTU/h Dual DC inputs: 399 BTU/h Dual AC inputs: 410 BTU/h	Single DC input: 283 BTU/h Single AC input: 280 BTU/h Dual DC inputs: 307 BTU/h Dual AC inputs: 304 BTU/h
Thermal consumption (full)	See Table1-17	See Table1-17

Item	S5130S-48UN4XC-EI-G-V2	S5130S-24UN8XC-EI-G-V2
load) Data collection standard: fully configured with transceiver modules or network cables, 100% traffic		
Heat dissipation		
Cooling method	Fixed fans	Fixed fans
Ventilation aisles	Front-rear air aisle, from the port side to the power supply side	Front-rear air aisle, from the port side to the power supply side
Reliability and availability		
Power supply redundancy	1+1	1+1
Fan tray redundancy	Fixed fans	Fixed fans
MTBF (year)	35	50
MTTR (hour)	1	1
Availability	99.9997%	99.9998%
Environment specifications		
Sound pressure level at 27°C (80.6°F)	50.8 dB	50.8 dB
Altitude	0 to 5000 m (0 to 16404.20 ft)	0 to 5000 m (0 to 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).	-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)	-40°C to +70°C (-40°F to +158°F)
Relative humidity	5% RH to 95% RH, noncondensing	5% RH to 95% RH, noncondensing
Compliance		
Product compliance	• Safety standards • EMC standards • Environmental and eco-friendly standards	• Safety standards • EMC standards • Environmental and eco-friendly standards

Table1-9 PoE power capacity of PoE switch models (1)

Power supply configuration	S5130S-24UN8X-EI-G-V2		S5130S-28U4S8X-EI-G-V2		S5130S-48U6X-EI-G-V2		S5130S-48UN6X-EI-G-V2	
	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port
1 × PSR600-54 A-B	530 W	100 W	510 W	100W	510 W	100 W	500 W	100 W
1 × PSR920-54 A-B	850 W	100 W	830 W	100 W	830 W	100 W	820 W	100 W
1 × PSR1300-5 4D-B	1230 W	100 W	1210 W	100 W	1210 W	100 W	1200 W	100 W
1 × PSR1600-5 4A-B (input voltage: 90 VAC to 176 VAC)	850 W	100 W	830 W	100 W	830 W	100 W	820 W	100 W
1 × PSR1600-5 4A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	1530 W	100 W	1510 W	100 W	1510 W	100 W	1500 W	100 W
2 × PSR600-54 A-B	1100 W	100 W	1080 W	100 W	1080 W	100 W	1070 W	100 W
1 × PSR600-54 A-B and 1 × PSR920-54 A-B	1100 W	100 W	1080 W	100 W	1080 W	100 W	1070 W	100 W
1 × PSR920-54 A-B and 1 × PSR1300-5 4D-B	1100 W	100 W	1660 W	100 W	1660 W	100 W	1650 W	100 W
1 × PSR920-54 A-B and 1 × PSR1600-5 4A-B (input voltage: 90 VAC to 176 VAC)	1340 W	100 W	1320 W	100 W	1320 W	100 W	1310 W	100 W
1 × PSR920-54 A-B and 1 ×	1680 W	100 W	1660 W	100 W	1660 W	100 W	1310 W	100 W

Power supply configuration	S5130S-24UN8X-EI-G-V2		S5130S-28U4S8X-EI-G-V2		S5130S-48U6X-EI-G-V2		S5130S-48UN6X-EI-G-V2	
	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port
PSR1600-5 4A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)								
2 × PSR1300-5 4D-B	2400 W	100 W	2380 W	100 W	2380 W	100 W	2370 W	100 W
1 × PSR1300-5 4D-B and 1 × PSR1600-5 4A-B (input voltage: 90 VAC to 176 VAC)	1560 W	100 W	1540 W	100 W	1540 W	100 W	1530 W	100 W
1 × PSR1300-5 4D-B and 1 × PSR1600-5 4A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	2400 W	100 W	2380 W	100 W	2380 W	100 W	2370 W	100 W
1 × PSR1600-5 4A-B (input voltage: 90 VAC to 176 VAC) and 1 × PSR1600-5 4A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	1680 W	100 W	1660 W	100 W	1660 W	100 W	1650 W	100 W
2 × PSR920-54 A-B	1680 W	100 W	1660 W	100 W	1660 W	100 W	1650 W	100 W
2 × PSR1600-5 4A-B (input voltage: 90	1680 W	100 W	1660 W	100 W	1660 W	100 W	1650 W	100 W

Power supply configuration	S5130S-24UN8X-EI-G-V2		S5130S-28U4S8X-EI-G-V2		S5130S-48U6X-EI-G-V2		S5130S-48UN6X-EI-G-V2	
	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port
VAC to 176 VAC)								
2 × PSR1600-5 4A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	2400 W	100 W	2800 W	100 W	2910 W	100 W	2900 W	100 W

Table1-10 PoE power capacity of PoE switch models (2)

Power supply configuration	S5130S-28P8X-EI-G-V2		S5130S-48P6X-EI-G-V2	
	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port
1 × PSR600-54 A-B	520 W	35 W	510 W	35 W
1 × PSR920-54 A-B	840 W	35 W	830 W	35 W
1 × PSR1300-5 4D-B	980 W	35 W	1210 W	35 W
1 × PSR1600-5 4A-B (input voltage: 90 VAC to 176 VAC)	840 W	35 W	830 W	35 W
1 × PSR1600-5 4A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	980 W	35 W	1510 W	35 W
2 × PSR600-54 A-B	980 W	35 W	1080 W	35 W
1 × PSR600-54 A-B and 1 × PSR920-54 A-B	980 W	35 W	1080 W	35 W

Power supply configuration	S5130S-28P8X-EI-G-V2		S5130S-48P6X-EI-G-V2	
	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port
1 × PSR600-54 A-B and 1 × PSR1300-5 4D-B	980 W	35 W	1080 W	35 W
1 × PSR920-54 A-B and 1 × PSR1300-5 4D-B	980 W	35 W	1660 W	35 W
1 × PSR920-54 A-B and 1 × PSR1600-5 4A-B (input voltage: 90 VAC to 176 VAC)	980 W	35 W	1320 W	35 W
1 × PSR920-54 A-B and 1 × PSR1600-5 4A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	980 W	35 W	1660 W	35 W
2 × PSR1300-5 4D-B	980 W	35 W	1680 W	35 W
1 × PSR1300-5 4D-B and 1 × PSR1600-5 4A-B (input voltage: 90 VAC to 176 VAC)	980 W	35 W	1540 W	35 W
1 × PSR1300-5 4D-B and 1 × PSR1600-5 4A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	980 W	35 W	1680 W	35 W
1 × PSR1600-5 4A-B (input	980 W	35 W	1660 W	35 W

Power supply configuration	S5130S-28P8X-EI-G-V2		S5130S-48P6X-EI-G-V2	
	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port
voltage: 90 VAC to 176 VAC) and 1 × PSR1600-5 4A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)				
2 × PSR920-54 A-B	980 W	35 W	1660 W	35 W
2 × PSR1600-5 4A-B (input voltage: 90 VAC to 176 VAC)	980 W	35 W	1660 W	35 W
2 × PSR1600-5 4A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	980 W	35 W	1680 W	35 W

Table1-11 PoE power capacity of PoE switch models (3)

Power supply configuration	S5130S-48UN4XC-EI-G-V2		S5130S-24UN8XC-EI-G-V2	
	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port
1 × PSR600-54A-B	470 W	100 W	490 W	100 W
1 × PSR920-54A-B	790 W	100 W	810 W	100 W
1 × PSR1300-54D-B	1170 W	100 W	1190 W	100 W
1 × PSR1600-54A-B (input voltage: 90 VAC to 176 VAC)	790 W	100 W	810 W	100 W
1 × PSR1600-54A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	1470 W	100 W	1490 W	100 W
2 × PSR600-54A-B	1040 W	100 W	1060 W	100 W
1 × PSR600-54A-B	1040 W	100 W	1060 W	100 W

Power supply configuration	S5130S-48UN4XC-EI-G-V2		S5130S-24UN8XC-EI-G-V2	
	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port
and 1 × PSR920-54A-B				
1 × PSR600-54A-B and 1 × PSR1300-54D-B	1040 W	100 W	1060 W	100 W
1 × PSR920-54A-B and 1 × PSR1300-54D-B	1620 W	100 W	1640 W	100 W
1 × PSR920-54A-B and 1 × PSR1600-54A-B (input voltage: 90 VAC to 176 VAC)	1280 W	100 W	1300 W	100 W
1 × PSR920-54A-B and 1 × PSR1600-54A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	1620 W	100 W	1640 W	100 W
2 × PSR1300-54D-B	2340 W	100 W	2360 W	100 W
1 × PSR1300-54D-B and 1 × PSR1600-54A-B (input voltage: 90 VAC to 176 VAC)	1500 W	100 W	1520 W	100 W
1 × PSR1300-54D-B and 1 × PSR1600-54A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	2340 W	100 W	2360 W	100 W
1 × PSR1600-54A-B (input voltage: 90 VAC to 176 VAC) and 1 × PSR1600-54A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)	1620 W	100 W	1640 W	100 W
2 × PSR920-54A-B	1620 W	100 W	1640 W	100 W
2 × PSR1600-54A-B (input voltage: 90 VAC to 176 VAC)	1620 W	100 W	1640 W	100 W
2 ×	2870 W	100 W	2500 W	100 W

Power supply configuration	S5130S-48UN4XC-EI-G-V2		S5130S-24UN8XC-EI-G-V2	
	Total PoE power	Max PoE power per port	Total PoE power	Max PoE power per port
PSR1600-54A-B (input voltage: 176 VAC to 290 VAC or 180 VDC to 320 VDC)				

Table1-12 Power consumption of some S5130S-EI-G-V2 switches (at full load) (1)

Power supply configuration	S5130S-24UN8X-EI-G-V2	S5130S-48UN6X-EI-G-V2	S5130S-28U4S8X-EI-G-V2	S5130S-48U6X-EI-G-V2
1 × PSR600-54A-B	642 W	670 W	643 W	647 W
1 × PSR920-54A-B	1032 W	1058 W	1026 W	1036 W
1 × PSR1300-54D-B	1413 W	1388 W	1385 W	1399 W
1 × PSR1600-54A-B (90 VAC to 176 VAC)	1035 W	1059 W	1027 W	1031 W
1 × PSR1600-54A-B (176 VAC to 290 VAC)	1705 W	1740 W	1676 W	1699 W
2 × PSR600-54A-B	1306 W	1330 W	1312 W	1316 W
2 × PSR920-54A-B	1994 W	2046 W	1994 W	2007 W
2 × PSR1300-54D-B	2621 W	2679 W	2635 W	2654 W
2 × PSR1600-54A-B (90 VAC to 176 VAC)	1979 W	2015 W	1988 W	1993 W
2 × PSR1600-54A-B (176 VAC to 290 VAC)	2568 W	3223 W	3078 W	3150 W

Table1-13 Power consumption of some S5130S-EI-G-V2 switches (at full load) (2)

Power supply configuration	S5130S-28P8X-EI-G-V2	S5130S-48P6X-EI-G-V2
1 × PSR600-54A-B	643 W	641 W
1 × PSR920-54A-B	1014 W	1018 W
1 × PSR1300-54D-B	1140 W	1382 W
1 × PSR1600-54A-B (90	1009 W	1009 W

Power supply configuration	S5130S-28P8X-EI-G-V2	S5130S-48P6X-EI-G-V2
VAC to 176 VAC)		
1 × PSR1600-54A-B (176 VAC to 290 VAC)	1071 W	1638 W
2 × PSR600-54A-B	1121 W	1287 W
2 × PSR920-54A-B	1112 W	1900 W
2 × PSR1300-54D-B	1140 W	1930 W
2 × PSR1600-54A-B (90 VAC to 176 VAC)	1331 W	1905 W
2 × PSR1600-54A-B (176 VAC to 290 VAC)	1087 W	1801 W

Table1-14 Power consumption of some S5130S-EI-G-V2 switches (at full load) (3)

Power supply configuration	S5130S-28P8X-EI-G-V2	S5130S-48P6X-EI-G-V2
1 × PSR600-54A-B	624 W	609 W
1 × PSR920-54A-B	978 W	980 W
1 × PSR1300-54D-B	1375 W	1352 W
1 × PSR1600-54A-B (90 VAC to 176 VAC)	977 W	918 W
1 × PSR1600-54A-B (176 VAC to 290 VAC)	1677 W	1636 W
2 × PSR600-54A-B	1261 W	1218 W
2 × PSR920-54A-B	1998 W	1955 W
2 × PSR1300-54D-B	2694 W	2657 W
2 × PSR1600-54A-B (90 VAC to 176 VAC)	2018 W	1861 W
2 × PSR1600-54A-B (176 VAC to 290 VAC)	3134 W	2724 W

Table1-15 Thermal consumption of some S5130S-EI-G-V2 switches (at full load) (1)

Power supply configuration	S5130S-24UN8X-EI-G-V2	S5130S-48UN6X-EI-G-V2	S5130S-28U4S8X-EI-G-V2	S5130S-48U6X-EI-G-V2
1 × PSR600-54A-B	2191 BTU/h	2887 BTU/h	2194 BTU/h	2208 BTU/h
1 × PSR920-54A-B	3521 BTU/h	3611 BTU/h	3501 BTU/h	3535 BTU/h
1 × PSR1300-54D-B	4821 BTU/h	4737 BTU/h	4726 BTU/h	4774 BTU/h
1 × PSR1600-54A-B (90 VAC to 176 VAC)	3532 BTU/h	3614 BTU/h	3504 BTU/h	3518 BTU/h

Power supply configuration	S5130S-24UN8X-EI-G-V2	S5130S-48UN6X-EI-G-V2	S5130S-28U4S8X-EI-G-V2	S5130S-48U6X-EI-G-V2
1 × PSR1600-54A-B (176 VAC to 290 VAC)	5818 BTU/h	5938 BTU/h	5719 BTU/h	5797 BTU/h
2 × PSR600-54A-B	4456 BTU/h	4539 BTU/h	4477 BTU/h	4490 BTU/h
2 × PSR920-54A-B	6804 BTU/h	6982 BTU/h	6804 BTU/h	6848 BTU/h
2 × PSR1300-54D-B	8943 BTU/h	9142 BTU/h	8991 BTU/h	9056 BTU/h
2 × PSR1600-54A-B (90 VAC to 176 VAC)	6753 BTU/h	6876 BTU/h	6783 BTU/h	6800 BTU/h
2 × PSR1600-54A-B (176 VAC to 290 VAC)	8762 BTU/h	10998 BTU/h	10503 BTU/h	10748 BTU/h

Table1-16 Thermal consumption of some S5130S-EI-G-V2 switches (at full load) (2)

Power supply configuration	S5130S-28P8X-EI-G-V2	S5130S-48P6X-EI-G-V2
1 × PSR600-54A-B	2195 BTU/h	2188 BTU/h
1 × PSR920-54A-B	3460 BTU/h	3474 BTU/h
1 × PSR1300-54D-B	3889 BTU/h	4716 BTU/h
1 × PSR1600-54A-B (90 VAC to 176 VAC)	3443 BTU/h	3443 BTU/h
1 × PSR1600-54A-B (176 VAC to 290 VAC)	3655 BTU/h	5590 BTU/h
2 × PSR600-54A-B	3826 BTU/h	4392 BTU/h
2 × PSR920-54A-B	3795 BTU/h	6484 BTU/h
2 × PSR1300-54D-B	3890 BTU/h	6585 BTU/h
2 × PSR1600-54A-B (90 VAC to 176 VAC)	4542 BTU/h	6501 BTU/h
2 × PSR1600-54A-B (176 VAC to 290 VAC)	3709 BTU/h	6146 BTU/h

Table1-17 Thermal consumption of some S5130S-EI-G-V2 switches (at full load) (3)

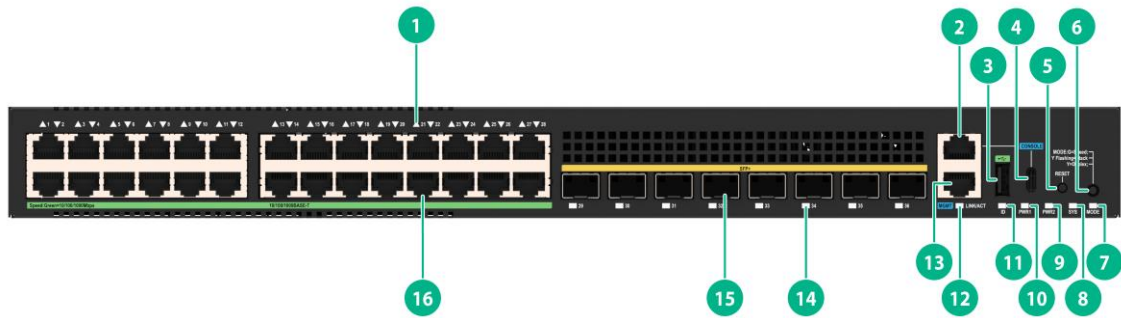
Power supply configuration	S5130S-48UN4XC-EI-G-V2	S5130S-24UN8XC-EI-G-V2
1 × PSR600-54A-B	2130 BTU/h	2078 BTU/h
1 × PSR920-54A-B	3338 BTU/h	3344 BTU/h
1 × PSR1300-54D-B	4692 BTU/h	4611 BTU/h

Power supply configuration	S5130S-48UN4XC-EI-G-V2	S5130S-24UN8XC-EI-G-V2
1 × PSR1600-54A-B (90 VAC to 176 VAC)	3334 BTU/h	3133 BTU/h
1 × PSR1600-54A-B (176 VAC to 290 VAC)	5723 BTU/h	5580 BTU/h
2 × PSR600-54A-B	4303 BTU/h	4154 BTU/h
2 × PSR920-54A-B	6818 BTU/h	6671 BTU/h
2 × PSR1300-54D-B	9193 BTU/h	9063 BTU/h
2 × PSR1600-54A-B (90 VAC to 176 VAC)	6886 BTU/h	6350 BTU/h
2 × PSR1600-54A-B (176 VAC to 290 VAC)	10694 BTU/h	9294 BTU/h

2 Chassis views

S5130S-28T8X-EI-G-V2

Figure2-1 Front panel



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

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-2 Rear panel



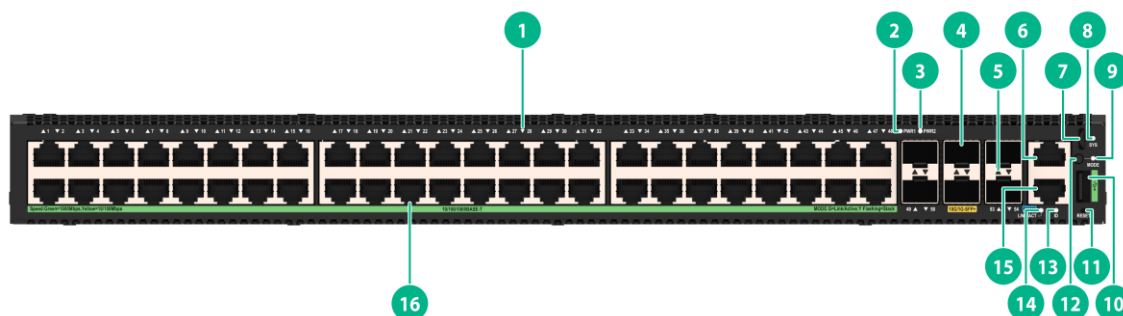
(1) Grounding screw	(2) Power supply 1
(3) Power supply 2	

NOTE:

The S5130S-28T8X-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.

S5130S-48T6X-EI-G-V2

Figure2-3 Front panel



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

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-4 Rear panel



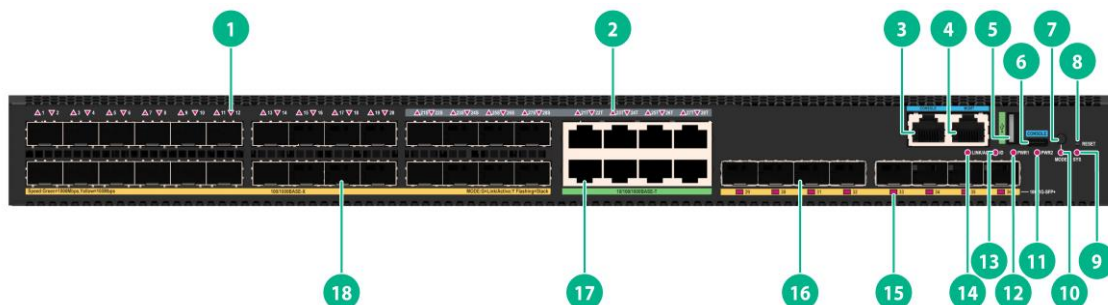
(1) Grounding screw	(2) Power supply 1
(3) Power supply 2	

NOTE:

The S5130S-48T6X-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.

S5130S-28S8T8X-EI-G-V2

Figure2-5 Front panel



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

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-6 Rear panel



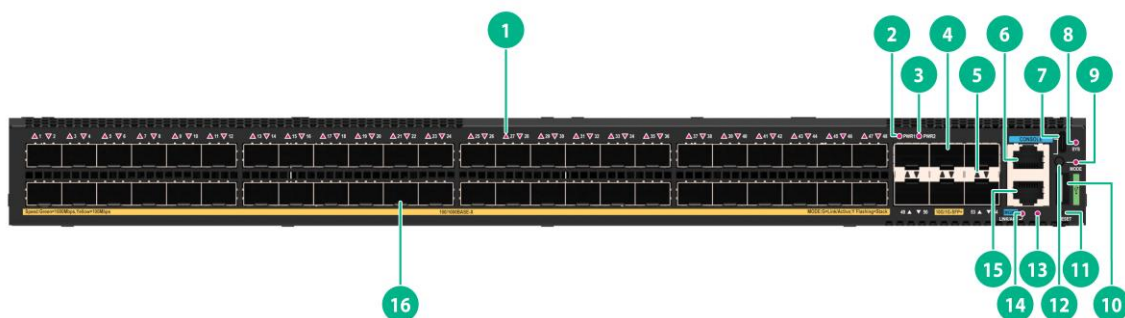
(1) Grounding screw	(2) Power supply 1
(3) Power supply 2	

NOTE:

The S5130S-28S8T8X-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.

S5130S-48S6X-EI-G-V2

Figure2-7 Front panel



(1) SFP port LED	(2) Power supply 1 status LED (PWR1)
(3) Power supply 2 status LED (PWR2)	(4) SFP+ port
(5) SFP+ port LED	(6) Console port (CONSOLE)
(7) USB Type-C console port	(8) System status LED (SYS)
(9) Mode LED (MODE)	(10) USB port
(11) Reset button (RESET)	(12) Mode button
(13) ID LED (ID)	(14) Management Ethernet port LED (LINK/ACT)
(15) Management Ethernet port (MGMT)	(16) SFP port

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-8 Rear panel



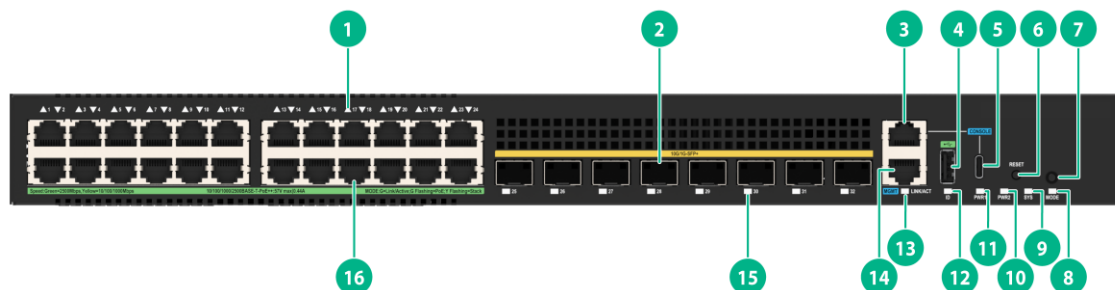
(1) Grounding screw	(2) Power supply 1
(3) Power supply 2	

NOTE:

The S5130S-48S6X-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.

S5130S-24UN8X-EI-G-V2

Figure2-9 Front panel



(1) 10/100/1000/2500BASE-T autosensing Ethernet port LED	(2) SFP+ port
(3) Console port (CONSOLE)	(4) USB port
(5) USB Type-C console port	(6) Reset button (RESET)
(7) Mode button	(8) Mode LED (MODE)
(9) System status LED (SYS)	(10) Power supply 2 status LED (PWR2)
(11) Power supply 1 status LED (PWR1)	(12) ID LED (ID)
(13) Management Ethernet port LED (LINK/ACT)	(14) Management Ethernet port (MGMT)
(15) SFP+ port LED	(16) 10/100/1000/2500BASE-T autosensing Ethernet port

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-10 Rear panel



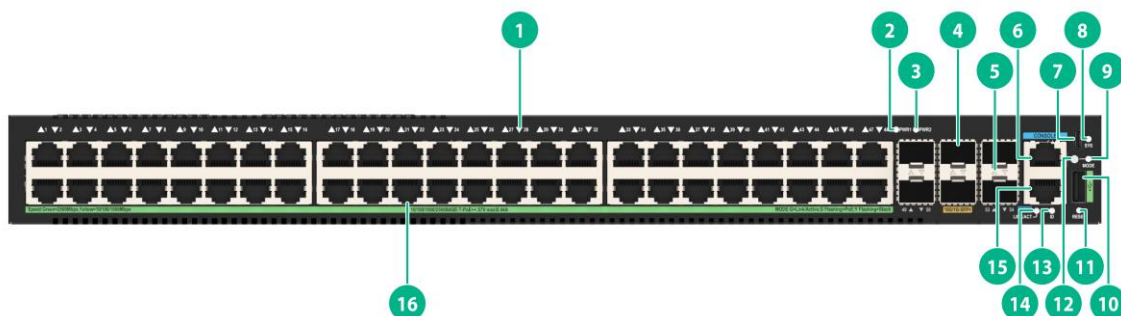
(1) Grounding screw	(2) Power supply 1
(3) Power supply 2	

NOTE:

The S5130S-24UN8X-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.

S5130S-48UN6X-EI-G-V2

Figure2-11 Front panel



(1) 10/100/1000/2500BASE-T autosensing Ethernet port LED	(2) Power supply 1 status LED (PWR1)
(3) Power supply 2 status LED (PWR2)	(4) SFP+ port
(5) SFP+ port LED	(6) Console port (CONSOLE)
(7) USB Type-C console port	(8) System status LED (SYS)
(9) Mode LED (MODE)	(10) USB port
(11) Reset button (RESET)	(12) Mode button
(13) ID LED (ID)	(14) Management Ethernet port LED (LINK/ACT)
(15) Management Ethernet port (MGMT)	(16) 10/100/1000/2500BASE-T autosensing Ethernet port

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-12 Rear panel



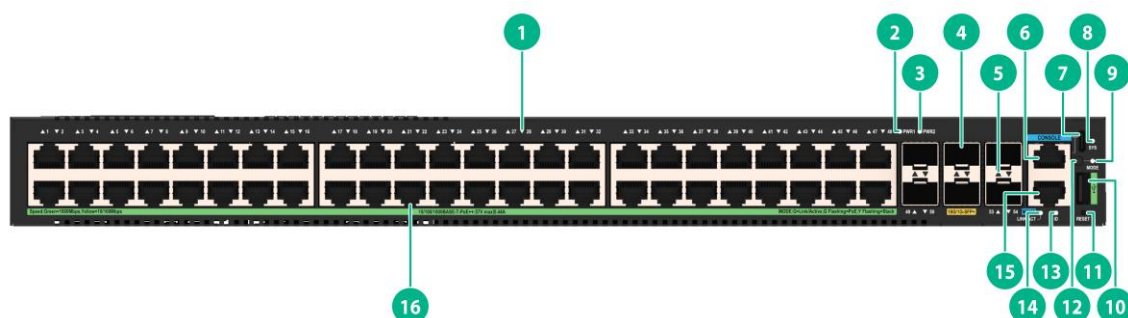
(1) Grounding screw	(2) Power supply 1
(3) Power supply 2	

NOTE:

The S5130S-48UN6X-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.

S5130S-48U6X-EI-G-V2

Figure2-13 Front panel



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

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-14 Rear panel



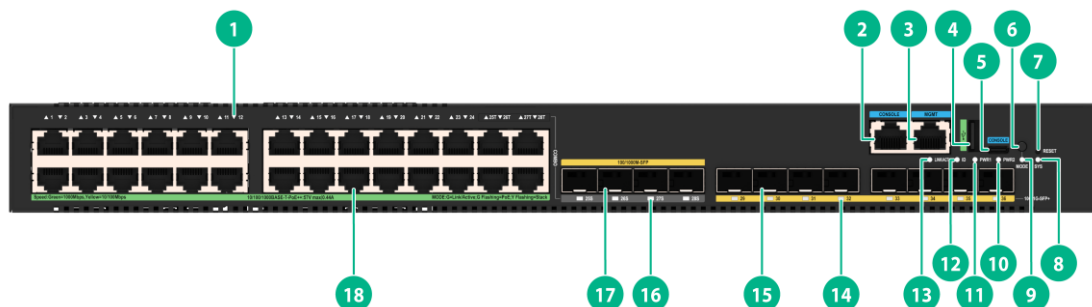
(1) Grounding screw	(2) Power supply 1
(3) Power supply 2	

NOTE:

The S5130S-48U6X-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.

S5130S-28U4S8X-EI-G-V2

Figure2-15 Front panel



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

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-16 Rear panel



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

NOTE:

The S5130S-28U4S8X-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.

S5130S-28P8X-EI-G-V2

Figure2-17 Front panel



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

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-18 Rear panel



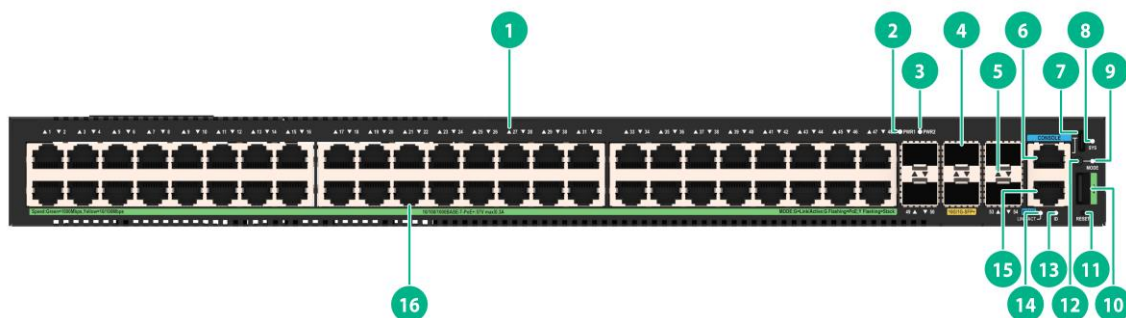
(1) Grounding screw	(2) Power supply 1
(3) Power supply 2	

NOTE:

The S5130S-28P8X-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.

S5130S-48P6X-EI-G-V2

Figure2-19 Front panel



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

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-20 Rear panel



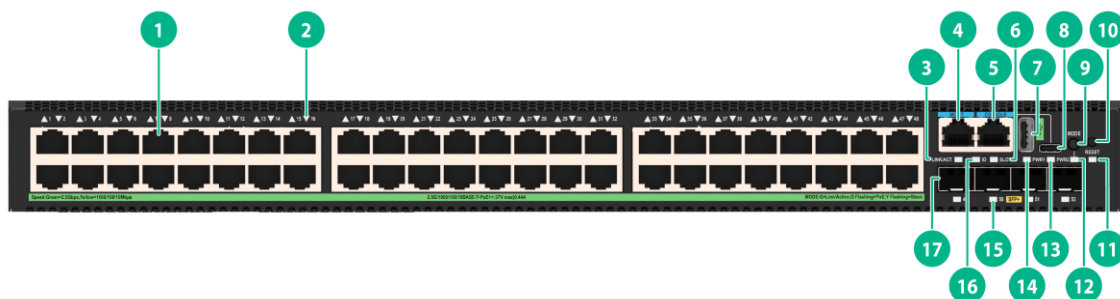
(1) Grounding screw	(2) Power supply 1
(3) Power supply 2	

NOTE:

The S5130S-48P6X-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.

S5130S-48UN4XC-EI-G-V2

Figure2-21 Front panel



(1) 2.5G/1000/100/10BASE-T autosensing Ethernet port	(2) 2.5G/1000/100/10BASE-T autosensing Ethernet port LED
(3) Management Ethernet port LED (LINK/ACT)	(4) Management Ethernet port (MGMT)
(5) Console port (CONSOLE)	(6) Expansion module status LED (SLOT)
(7) USB port	(8) USB Type-C console port
(9) Mode button	(10) Reset button (RESET)
(11) System status LED (SYS)	(12) Mode LED (MODE)
(13) Power supply 2 status LED (PWR2)	(14) Power supply 1 status LED (PWR1)
(15) SFP+ port LED	(16) ID LED (ID)
(17) SFP+ port	

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-22 Rear panel



(1) Grounding screw	(2) Expansion module slot
(3) Power supply 1	(4) Power supply 2

NOTE:

The S5130S-48UN4XC-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.

S5130S-24UN8XC-EI-G-V2

Figure2-23 Front panel



(1) 2.5G/1000/100/10BASE-T autosensing Ethernet port	(2) 2.5G/1000/100/10BASE-T autosensing Ethernet port LED
(3) Management Ethernet port LED (LINK/ACT)	(4) Management Ethernet port (MGMT)
(5) Console port (CONSOLE)	(6) Expansion module status LED (SLOT)
(7) USB port	(8) USB Type-C console port
(9) Mode button	(10) Reset button (RESET)
(11) System status LED (SYS)	(12) Mode LED (MODE)
(13) Power supply 2 status LED (PWR2)	(14) Power supply 1 status LED (PWR1)
(15) ID LED (ID)	(16) SFP+ port
(17) SFP+ port LED	

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-24 Rear panel



(1) Grounding screw	(2) Expansion module slot
(3) Power supply 1	(4) Power supply 2

NOTE:

- The S5130S-24UN8XC-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.
- The S5130S-24UN8XC-EI-G-V2 switch came with the expansion slot installed with a filler panel. You can install an expansion card for the switch as required.

S5130S-24N8XC-EI-G-V2

Figure2-25 Front panel



(1) 2.5G/1000/100/10BASE-T autosensing Ethernet port	(2) 2.5G/1000/100/10BASE-T autosensing Ethernet port LED
(3) Management Ethernet port LED (LINK/ACT)	(4) Management Ethernet port (MGMT)
(5) Console port (CONSOLE)	(6) Expansion module status LED (SLOT)
(7) USB port	(8) USB Type-C console port
(9) Mode button	(10) Reset button (RESET)
(11) System status LED (SYS)	(12) Mode LED (MODE)
(13) Power supply 2 status LED (PWR2)	(14) Power supply 1 status LED (PWR1)
(15) ID LED (ID)	(16) SFP+ port
(17) SFP+ port LED	

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-26 Rear panel



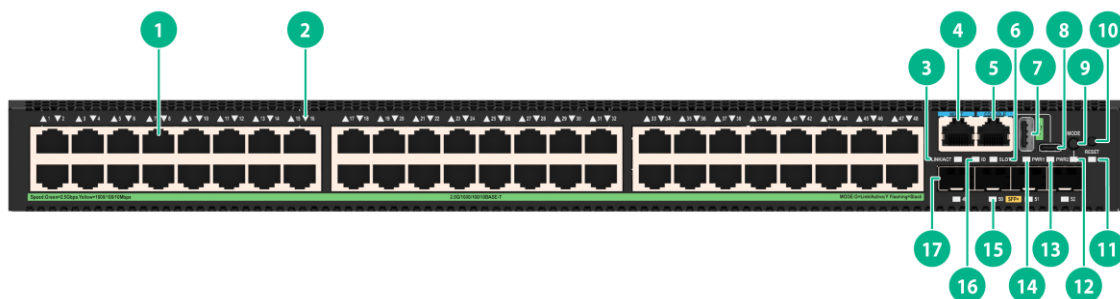
(1) Grounding screw	(2) Expansion module slot
(3) Power supply 1	(4) Power supply 2

NOTE:

- The S5130S-24N8XC-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.
- The S5130S-24N8XC-EI-G-V2 switch came with the expansion slot installed with a filler panel. You can install an expansion card for the switch as required.

S5130S-48N4XC-EI-G-V2

Figure2-27 Front panel



(1) 2.5G/1000/100/10BASE-T autosensing Ethernet port	(2) 2.5G/1000/100/10BASE-T autosensing Ethernet port LED
(3) Management Ethernet port LED (LINK/ACT)	(4) Management Ethernet port (MGMT)
(5) Console port (CONSOLE)	(6) Expansion module status LED (SLOT)
(7) USB port	(8) USB Type-C console port
(9) Mode button	(10) Reset button (RESET)
(11) System status LED (SYS)	(12) Mode LED (MODE)
(13) Power supply 2 status LED (PWR2)	(14) Power supply 1 status LED (PWR1)
(15) SFP+ port LED	(16) ID LED (ID)
(17) SFP+ port	

NOTE:

The USB Type-C console port can only be used as a console port and cannot be used for storing data.

Figure2-28 Rear panel



(1) Grounding screw	(2) Expansion module slot
(3) Power supply 1	(4) Power supply 2

NOTE:

The S5130S-48N4XC-EI-G-V2 switch came with power supply slot 1 empty and power supply slot 2 installed with a filler panel. You can install one or two power supplies for the switch as needed.

The S5130S-48N4XC-EI-G-V2 switch came with the expansion slot installed with a filler panel. You can install an expansion card for the switch as required.

3 FRUs and compatibility matrixes

The switch uses modular design. [Table3-1](#) describes the FRUs available for the switch.

Table3-1 FRUs and compatibility matrixes (1)

Removable component model	S5130S-28T8X-EI-G-V2 S5130S-48T6X-EI-G-V2 S5130S-28S8T8X-EI-G-V2 S5130S-48S6X-EI-G-V2	S5130S-24UN8X-EI-G-V2 S5130S-28U4S8X-EI-G-V2 S5130S-28P8X-EI-G-V2 S5130S-48P6X-EI-G-V2 S5130S-48UN6X-EI-G-V2 S5130S-48U6X-EI-G-V2
Removable power supplies		
CA-70A12	Supported	N/A
PSR180-12D-B	Supported	N/A
PSR600-54A-B	N/A	Supported
PSR920-54A-B	N/A	Supported
PSR1300-54D-B	N/A	Supported
PSR1600-54A-B	N/A	Supported

Table3-2 FRUs and compatibility matrixes (2)

Removable component model	S5130S-48N4XC-EI-G-V2	S5130S-24N8XC-EI-G-V2	S5130S-48UN4XC-EI-G-V2 S5130S-24UN8XC-EI-G-V2
Removable power supplies			
CA-70A12	N/A	Supported	N/A
PSR180-12A-F	Supported	Supported	N/A
PSR180-12A-B	Supported	Supported	N/A
PSR180-12D-B	Supported	Supported	N/A
PSR600-54A-B	N/A	N/A	Supported
PSR920-54A-B	N/A	N/A	Supported
PSR1300-54D-B	N/A	N/A	Supported
PSR1600-54A-B	N/A	N/A	Supported
Expansion cards			
LSPM6FWDB	Supported	Supported	Supported
LSWM2-iMC	Supported	Supported	Supported
LSWM2EC	Supported	Supported	Supported

NOTE:

- The power supplies support asset management. You can use the **display device manuinfo** command to view the name, sequence number, and vendor of the power supplies you have installed on the switch.
 - For non-PoE switch models, one power supply can meet the power requirement of the switch. You can install two power supplies on the switch for 1+1 redundancy. Make sure the two power supplies are the same model.
-

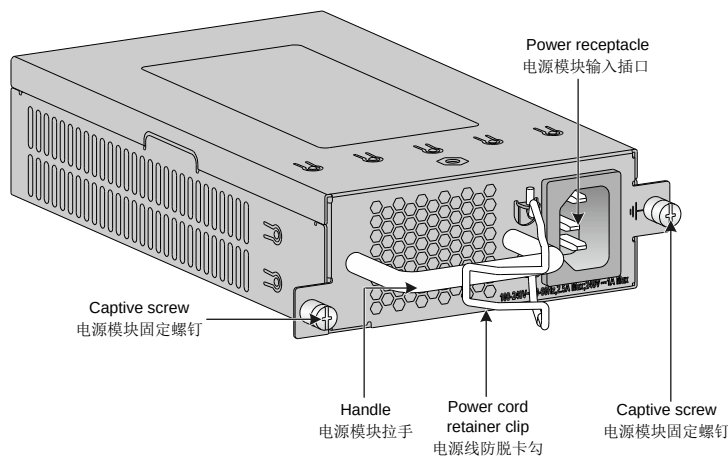
4 Removable power supplies

This section only introduces the power supply specifications. For more information about the power supply and switch compatibility, see "[FRUs and compatibility matrixes](#)."

70W power supply (CA-70A12)

View

Figure4-1 CA-70A12 AC power supply view



Function

The CA-70A12 is an AC and HVDC 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

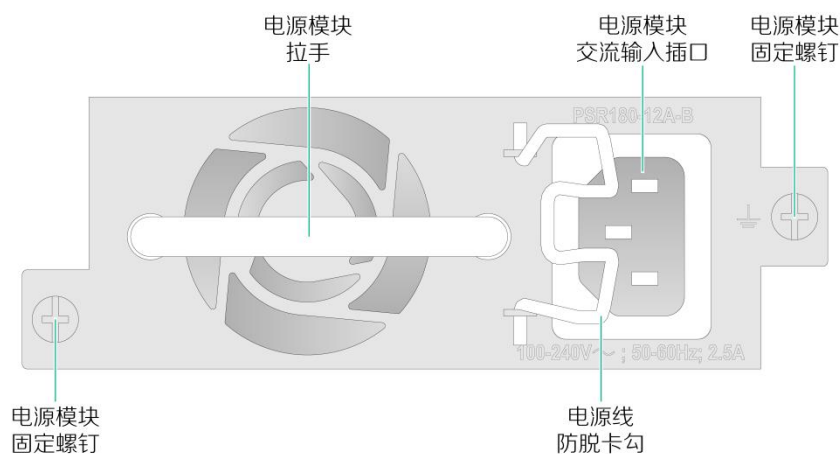
Item	Specification
Dimensions (H × W × D, including the handle)	41.1 × 101.6 × 207 mm (1.62 × 4.00 × 8.15 in)
Weight	0.6 kg (1.32 lb)
Rated AC input voltage range	AC input: 100 VAC to 240 VAC @ 50 Hz or 60 Hz HVDC input: 240 VDC
Max AC input voltage range	AC input: 90 VAC to 290 VAC @ 47 Hz to 63 Hz HVDC input: 180 VDC to 320 VDC
Rated input current	N/A
Rated output current	5.83 A
Rated output voltage	12 V
Rated output power	70 W
Melting current of power supply fuse	10 A/250 V

180W power supply (PSR180-12A-F and PSR180-12A-B)

View

The views of the PSR180-12A-F and PSR180-12A-B AC power supplies are similar, with only differences in the identifier.

Figure4-2 PSR180-12A-B AC power supply view



Function

The PSR180-12A-F and PSR180-12A-B are AC power supplies with AC input and DC output. The power supplies provide an output voltage of 12 V and a maximum output of 180 W.

Table4-3 PSR180-12A-F and PSR180-12A-B 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

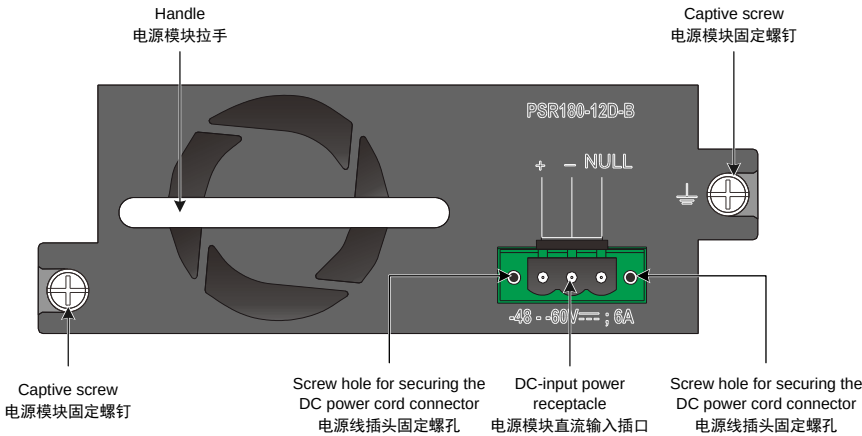
Table4-4 Technical specifications

Item	Specification
Dimensions (H × W × D, including the handle)	41.1 × 101.6 × 207 mm (1.62 × 4.00 × 8.15 in)
Weight	0.8 kg (1.76 lb)
Rated AC input voltage range	100 VAC to 240 VAC @ 50 or 60 Hz
Max AC input voltage range	90 VAC to 264 VAC @ 47 to 63 Hz
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	6.3 A/250 V

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

View

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



Function

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

Table4-5 PSR180-12D-B 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

Table4-6 Technical specifications

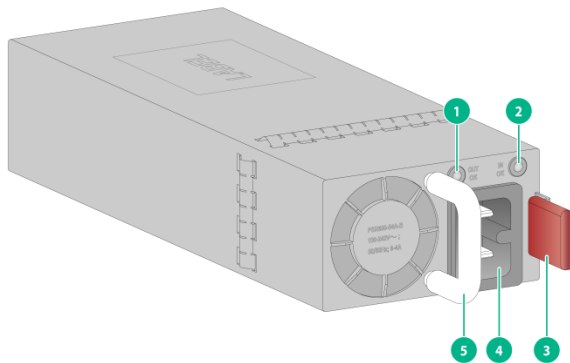
Item	Specification
Dimensions (H × W × D, including the handle)	41.1 × 101.6 × 207 mm (1.62 × 4.00 × 8.15 in)
Weight	1 kg (2.20 lb)
Rated DC input voltage range	–48 VDC to –60 VDC
Max DC input voltage range	–36 VDC to –72 VDC
Rated input current	N/A

Item	Specification
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

600W power supply (PSR600-54A-B)

View

Figure4-4 PSR600-54A-B AC power supply view



(1) Output status LED (OUT OK)	(2) Input status LED (IN OK)
(3) Latch	(4) Power input receptacle
(5) Handle	

Function

The PSR600-54A-B is an AC and HVDC input and DC output power supply.

Table4-7 PSR600-54A-B 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

Table4-8 Technical specifications

Item	Specification
Dimensions (H × W × D, including the handle)	40.2 × 73.5 × 213.8 mm (1.58 × 2.89 × 8.42 in)
Weight	1 kg (2.20 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 HVDC input: 180 VDC to 320 VDC
Rated input current	N/A
Rated output current	11 A
Rated output voltage	56 V
Rated output power	600 W
Melting current of power supply fuse	10 A/250 V

LEDs

The PSR600-54A-B power supply has two status LEDs to indicate its power input and output status.

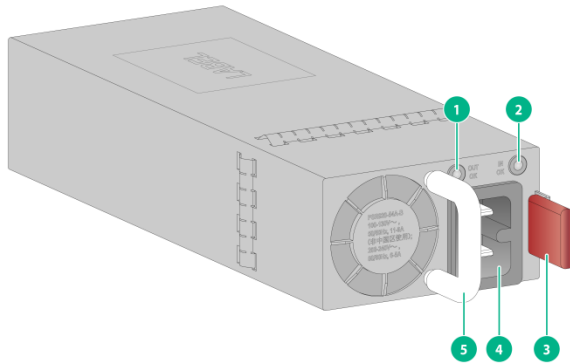
Table4-9 LED description

LED	Mark	Status	Description
Output status LED	OUT OK	Steady green	Normal power output.
		Steady red	Abnormal power output.
		Off	No power output.
Input status LED	IN OK	Steady green	Normal power input.
		Steady red	Abnormal power input.
		Off	No power input.

920W power supply (PSR920-54A-B)

View

Figure4-5 PSR920-54A-B AC power supply view



(1) Output status LED (OUT OK)	(2) Input status LED (IN OK)
(3) Latch	(4) Power input receptacle
(5) Handle	

Function

The PSR920-54A-B is an AC and HVDC input and DC output power supply.

Table4-10 PSR920-54A-B 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

Table4-11 Technical specifications

Item	Specification
Dimensions (H × W × D, including the handle)	40.2 × 73.5 × 213.8 mm (1.58 × 2.89 × 8.42 in)
Weight	1 kg (2.20 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	16.5 A
Rated output voltage	56 V
Rated output power	920 W
Melting current of power supply fuse	16 A/250 V

LEDs

The PSR920-54A-B power supply has two status LEDs to indicate its power input and output status.

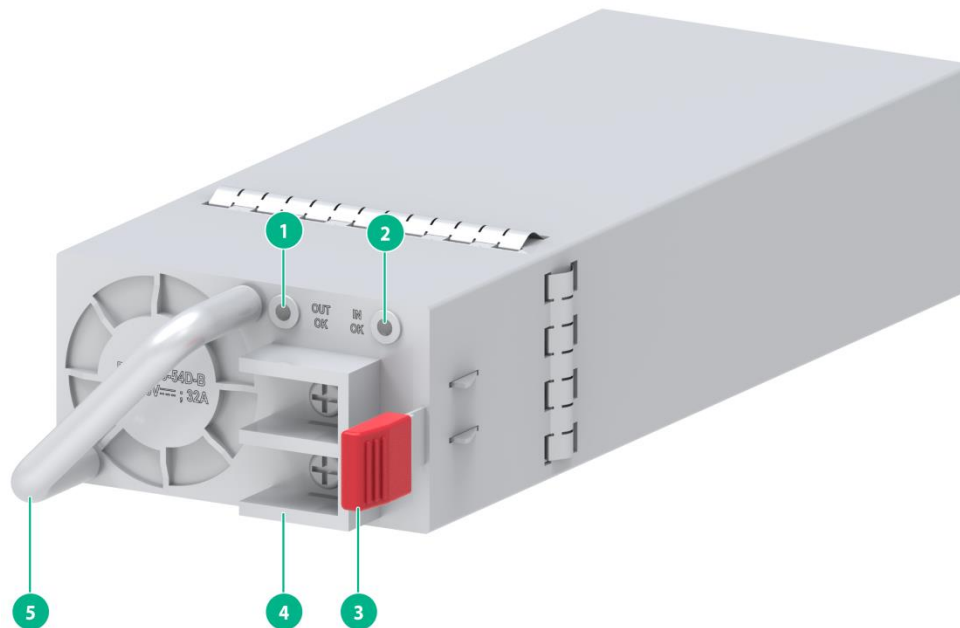
Table4-12 LED description

LED	Mark	Status	Description
Output status LED	OUT OK	Steady green	Normal power output.
		Steady red	Abnormal power output.
		Off	No power output.
Input status LED	IN OK	Steady green	Normal power input.
		Steady red	Abnormal power input.
		Off	No power input.

1300W DC power supply (PSR1300-54D-B)

View

Figure4-6 PSR1300-54D-B DC power supply view



(1) Output status LED (OUT OK)	(2) Input status LED (IN OK)
(3) Latch	(4) DC terminal
(5) Handle	

Function

The PSR1300-54D-B is a DC input and DC output PoE power supply. It provides a maximum output of 1300 W.

Table4-13 PSR1300-54D-B power supply features

Feature	Description
Protection function	The power supply provides protection against input misinsertion, input overcurrent, DC input undervoltage, DC input overvoltage, output overvoltage, output current, output shortcircuit, overtemperature, and fan failure 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

Table4-14 Technical specifications

Item	Specification
Dimensions (H × W × D, including the handle)	213.8 × 73.5 × 40.2 mm (8.42 × 2.89 × 1.58 in)
Weight	1 kg (2.20 lb)
Rated DC input voltage range	–48 VDC to –60 VDC
Max DC input voltage range	–36 VDC to –72 VDC
Rated input current	32 A
Rated output current	23.43 A
Rated output voltage	56 V
Rated output power	1300 W
Melting current of power supply fuse	60 A/80 VDC

LEDs

The PSR1300-54D-B DC power supply has two status LEDs to indicate its power input and output status.

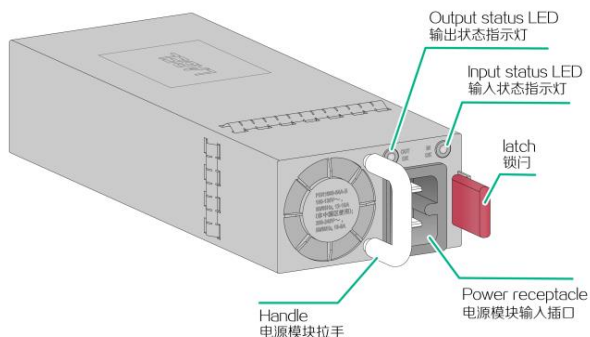
Table4-15 LED description

LED	Mark	Status	Description
Output status LED	OUT OK	Steady green	Normal power output.
		Steady red	Abnormal power output.
		Off	No power output.
Input status LED	IN OK	Steady green	Normal power input.
		Steady red	Abnormal power input.
		Off	No power input.

1600W power supply (PSR1600-54A-B)

View

Figure4-7 PSR1600-54A-B AC power supply view



Function

The PSR1600-54A-B is an AC and HVDC input and DC output power supply.

Table4-16 PSR1600-54A-B 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

Table4-17 Technical specifications

Item	Specification
Dimensions (H × W × D, including the handle)	40.2 × 73.5 × 213.8 mm (1.58 × 2.89 × 8.42 in)
Weight	1 kg (2.20 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 HVDC input: 180 VDC to 320 VDC
Rated input current	N/A
Rated output current	- AC input: 17 A: 90 V to 176 V @ 47 Hz to 63 Hz

Item	Specification
	○ 29 A: 176 V to 290 V @ 47 Hz to 63 HZ • HVDC input: 29 A
Rated output voltage	56 V
Rated output power	• AC input: ○ 950 W: 90 V to 176 V @ 47 Hz to 63 Hz ○ 1600 W: 176 V to 290 V @ 47 Hz to 63 HZ • HVDC input: 1600 W
Melting current of power supply fuse	16 A/125 V

LEDs

The PSR1600-54A-B power supply has two status LEDs to indicate its power input and output status.

Table4-18 LED description

LED	Mark	Status	Description
Output status LED	OUT OK	Steady green	Normal power output.
		Steady red	Abnormal power output.
		Off	No power output.
Input status LED	IN OK	Steady green	Normal power input.
		Steady red	Abnormal power input.
		Off	No power input.

5 Expansion cards

6 Ports and LEDs

Ports

Console port

Table6-1 Console port specifications

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

Table6-2 USB Type-C console port specifications

Item	Specification
Connector type	USB Type-C
Compliant standard	USB2.0
Transmission baud rate	9600 bps (default) to 115200 bps
Supported services	- Provides connection to an ASCII terminal - Provides connection to the USB port of a local terminal (for example, a PC) running a terminal emulation program
Compatible switch models	All switch models

Management Ethernet port

Table6-3 Management Ethernet port specifications

Item	Specification
Connector type	RJ-45
Transmission rate, duplex mode, and auto MDI/MDI-X	10 Mbps, full duplex 100 Mbps, 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)

Item	Specification
Compliant standard	IEEE 802.3i, 802.3u, 802.3ab
Functions and services	Used for upgrading and managing applications and Boot ROM
Compatible switch models	All switch models

USB port

Table6-4 USB port specifications

Item	Specification
Port type	USB2.0
Compliant standard	OHC
Transmission baud 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

SFP port

Table6-5 SFP port specifications

Item	Specification
Port type	SFP port
Available transceiver modules and cables	GE SFP transceiver modules and cables described in Table6-6
Compatible switch models	S5130S-28S8T8X-EI-G-V2 S5130S-48S6X-EI-G-V2 S5130S-28U4S8X-EI-G-V2
Restrictions and guidelines	- To install transceiver modules with a minimum transmission distance of 80 km (49.71 miles) or SFP copper transceiver modules on an S5130S-28U4S8X-EI-G-V2 switch, make sure the operating temperature does not exceed 40°C (104°F). Do not install the transceiver modules in adjacent ports. - To install transceiver modules with a minimum transmission distance of 80 km (49.71 miles) or SFP copper transceiver modules on an S5130S-48U6X-EI-G-V2 switch, make sure the operating temperature does not exceed 40°C (104°F). Do not install the transceiver modules in adjacent ports. - To install transceiver modules with a minimum transmission distance of 80 km (49.71 miles) or SFP copper transceiver modules on an S5130S-48T6X-EI-G-V2 switch, make sure the operating temperature does not exceed 40°C (104°F). Do not install the transceiver modules in adjacent ports. - To install transceiver modules with a minimum transmission distance of 80 km (49.71 miles) or SFP copper transceiver modules on an S5130S-48S6X-EI-G-V2 switch, make sure the operating temperature does not exceed 45°C (113°F). When CA-70A12 power supplies are used, you

Item	Specification
	can install up to six SFP copper transceiver modules and they cannot be installed in adjacent ports. - To install transceiver modules with a minimum transmission distance of 80 km (49.71 miles) or SFP copper transceiver modules on an S5130S-28P8X-EI-G-V2, S5130S-24UN8X-EI-G-V2, or S5130S-28T8X-EI-G-V2 switch, make sure the operating temperature does not exceed 45°C (113°F). - To install transceiver modules with a minimum transmission distance of 80 km (49.71 miles) or SFP copper transceiver modules on an S5130S-28S8T8X-EI-G-V2 switch, make sure the operating temperature does not exceed 45°C (113°F). When CA-70A12 power supplies are used, you can install a maximum of 14 SFP copper transceiver modules and they cannot be installed in adjacent ports.

Table6-6 GE SFP transceiver modules and cables available for the SFP ports

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
SFP copper transceiver module	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 module	SFP-GE-SX-M M850-A	850	LC	50/125, MMF	500	550 m (1804.46 ft)
					400	500 m (1640.42 ft)
				62.5/125, MMF	200	275 m (902.23 ft)
					160	220 m (721.78 ft)
	SFP-GE-SX-M M850-D	850	LC	50/125, MMF	500	550 m (1804.46 ft)
					400	500 m (1640.42 ft)
				62.5/125, MMF	200	275 m (902.23 ft)
					160	220 m (721.78 ft)
	SFP-GE-SX-M M850-S	850	LC	50/125, MMF	500	550 m (1804.46 ft)
					400	500 m (1640.42 ft)
				62.5/125, MMF	200	275 m (902.23 ft)

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
					160	220 m (721.78 ft)
	SFP-GE-LX-S M1310-A	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
				50/125, MMF	500/400	550 m (1804.46 ft)
				62.5/125, MMF	500	550 m (1804.46 ft)
	SFP-GE-LX-S M1310-D	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
				50/125, MMF	500/400	550 m (1804.46 ft)
				62.5/125, MMF	500	550 m (1804.46 ft)
	SFP-GE-LX-S M1310-S	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
				50/125, MMF	500/400	550 m (1804.46 ft)
				62.5/125, MMF	500	550 m (1804.46 ft)
	SFP-GE-LH40-SM1310	1310	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH40-SM1310-D	1310	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH40-SM1310-S	1310	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH40-SM1550	1550	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH80-SM1550	1550	LC	9/125, SMF	N/A	80 km (49.71 miles)
	SFP-GE-LH100-SM1550	1550	LC	9/125, SMF	N/A	100 km (62.14 miles)
	SFP-GE-LH80-SM1550-D	1550	LC	9/125, SMF	N/A	80 km (49.71 miles)

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
	SFP-GE-LX-S M1310-F	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LX10-SM1310	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LH40-SM1310-I	1310	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH20-SM1310-I	1310	LC	9/125, SMF	N/A	20 km (12.43 miles)
	SFP-GE-LX-S M1310-BIDI	Tx: 1310 Rx: 1490	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LX-S M1490-BIDI	Tx: 1490 Rx: 1310				
	SFP-GE-LX-S M1310-BIDI-S	Tx: 1310 Rx: 1490	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LX-S M1490-BIDI-S	Tx: 1490 Rx: 1310				
	SFP-GE-LX-S M1310-BIDI-I	Tx: 1310 Rx: 1490	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LX-S M1490-BIDI-I	Tx: 1490 Rx: 1310				
	SFP-GE-LH40-SM1310-BIDI	Tx: 1310 Rx: 1550	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH40-SM1550-BIDI	Tx: 1550 Rx: 1310			N/A	40 km (24.86 miles)
	SFP-GE-LH70-SM1490-BIDI	Tx: 1490 Rx: 1550	LC	9/125, SMF	N/A	70 km (43.50 miles)
	SFP-GE-LH70-SM1550-BIDI	Tx: 1550 Rx: 1490			N/A	70 km (43.50 miles)
SFP copper cable	SFP-STACK-Kit	N/A	N/A	SFP copper cable	N/A	1.5 m (4.92 ft)
	SFP-STACK-Kit-S	N/A	N/A	SFP copper cable	N/A	1.5 m (4.92 ft)

! IMPORTANT:

The following transceiver modules must be used in pairs:

- SFP-GE-LX-SM1310-BIDI and SFP-GE-LX-SM1490-BIDI.
- SFP-GE-LX-SM1310-BIDI-S and SFP-GE-LX-SM1490-BIDI-S.
- SFP-GE-LX-SM1310-BIDI-I and SFP-GE-LX-SM1490-BIDI-I.
- SFP-GE-LH40-SM1310-BIDI and SFP-GE-LH40-SM1550-BIDI.
- SFP-GE-LH70-SM1490-BIDI and SFP-GE-LH70-SM1550-BIDI.

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 H3C Support or marketing staff.
- For more information about H3C transceiver modules and cables, see *H3C Transceiver Modules User Guide*.

Figure6-1 SFP+ copper cable



(1) Connector

(2) Pull latch

SFP+ port

Table6-7 SFP+ port specifications (1)

Item	Specification
Port type	SFP+ port
Available transceiver modules and cables	• 10GE SFP+ transceiver modules and cables described in Table6-9 • 2.5GE SFP transceiver modules and cables described in Table6-11 • GE SFP transceiver modules and cables described in Table6-13
Compatible switch models	All switch models except the S5130S-48UN4XC-EI-G-V2, S5130S-24UN8XC-EI-G-V2, S5130S-48N4XC-EI-G-V2, and S5130S-24N8XC-EI-G-V2 switches

Item	Specification
Restrictions and guidelines	- To install transceiver modules with a minimum transmission distance of 80 km (49.71 miles) or SFP copper transceiver modules on an S5130S-28U4S8X-EI-G-V2 switch, make sure the operating temperature does not exceed 40°C (104°F). Do not install the transceiver modules in adjacent ports. - To install transceiver modules with a minimum transmission distance of 80 km (49.71 miles) or SFP copper transceiver modules on an S5130S-48U6X-EI-G-V2 switch, make sure the operating temperature does not exceed 40°C (104°F). Do not install the transceiver modules in adjacent ports. - To install transceiver modules with a minimum transmission distance of 80 km (49.71 miles) or SFP copper transceiver modules on an S5130S-48T6X-EI-G-V2 switch, make sure the operating temperature does not exceed 40°C (104°F). Do not install the transceiver modules in adjacent ports. - To install transceiver modules with a minimum transmission distance of 80 km (49.71 miles) or SFP copper transceiver modules on an S5130S-48S6X-EI-G-V2 switch, make sure the operating temperature does not exceed 45°C (113°F). When CA-70A12 power supplies are used, you can install up to six SFP copper transceiver modules and they cannot be installed in adjacent ports. - To install transceiver modules with a minimum transmission distance of 80 km (49.71 miles) or SFP copper transceiver modules on an S5130S-28P8X-EI-G-V2, S5130S-24UN8X-EI-G-V2, or S5130S-28T8X-EI-G-V2 switch, make sure the operating temperature does not exceed 45°C (113°F). - To install transceiver modules with a minimum transmission distance of 80 km (49.71 miles) or SFP copper transceiver modules on an S5130S-28S8T8X-EI-G-V2 switch, make sure the operating temperature does not exceed 45°C (113°F). When CA-70A12 power supplies are used, you can install a maximum of 14 SFP copper transceiver modules and they cannot be installed in adjacent ports.

Table6-8 SFP+ port specifications (2)

Item	Specification
Port type	SFP+ port
Available transceiver modules and cables	10GE SFP+ transceiver modules and cables described in Table6-10 2.5GE SFP transceiver modules and cables described in Table6-12 - GE SFP transceiver modules and cables described in Table6-14
Compatible switch models	- S5130S-48UN4XC-EI-G-V2 - S5130S-24UN8XC-EI-G-V2 - S5130S-48N4XC-EI-G-V2 - S5130S-24N8XC-EI-G-V2
Restrictions and guidelines	The same type of port on the switch might support different port speeds. For more information, see Ethernet interface configuration in <i>Layer 2—LAN Switching Configuration Guide</i> .

Table6-9 10GE SFP+ transceiver modules and cables available for the SFP+ ports (1)

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
SFP+ copper transceiver module	SFP-10GE-T	N/A	RJ-45	Twisted pair cable	N/A	30 m (98.43 ft)
SFP+ transceiver module	SFP-XG-SX-M850-D	850	LC	50/125, MMF	2000	300 m (984.25 ft)
					500	82 m (269.03 ft)
					400	66 m (216.54 ft)
				62.5/125, MMF	200	33 m (108.27 ft)
					160	26 m (85.30 ft)
	SFP-XG-SX-M850-A	850	LC	50/125, MMF	2000	300 m (984.25 ft)
					500	82 m (269.03 ft)
					400	66 m (216.54 ft)
				62.5/125, MMF	200	33 m (108.27 ft)
					160	26 m (85.30 ft)
	SFP-XG-SX-M850-E	850	LC	50/125, MMF	2000	300 m (984.25 ft)
					500	82 m (269.03 ft)
					400	66 m (216.54 ft)
				62.5/125, MMF	200	33 m (108.27 ft)
					160	26 m (85.30 ft)
	SFP-XG-SX-M850-H	850	LC	50/125, MMF	2000	300 m (984.25 ft)
					500	82 m (269.03 ft)
					400	66 m (216.54 ft)
				62.5/125, MMF	200	33 m (108.27 ft)
					160	26 m (85.30 ft)

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
	SFP-XG-SX-M850-S	850	LC	50/125, MMF	2000	300 m (984.25 ft)
					500	82 m (269.03 ft)
					400	66 m (216.54 ft)
				62.5/125, MMF	200	33 m (108.27 ft)
					160	26 m (85.30 ft)
	SFP-XG-LX-S M1310	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-S M1310-F	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-S M1310-D	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-S M1310-E	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-S M1310-S	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LH40-SM1550	1550	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-XG-LH40-SM1550-D	1550	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-XG-LH40-SM1550-S	1550	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-XG-LH80-SM1550	1550	LC	9/125, SMF	N/A	80 km (49.71 miles)
	SFP-XG-LH80-SM1550-D	1550	LC	9/125, SMF	N/A	80 km (49.71 miles)
	SFP-XG-CPRI-IR-SM1310	1310	LC	9/125, SMF	N/A	1.4 km (0.87 miles)
	SFP-XG-CPRI-LR-SM1310	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LH40	Tx: 1270	LC	9/125, SMF	N/A	40 km

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
	-SM1270-BIDI	Rx: 1330			N/A	(24.86 miles)
	SFP-XG-LH40-SM1330-BIDI	Tx: 1330 Rx: 1270				40 km (24.86 miles)
	SFP-XG-LH80-SM1490-BIDI	Tx: 1490 Rx: 1550	LC	9/125, SMF	N/A	80 km (49.71 miles)
	SFP-XG-LH80-SM1550-BIDI	Tx: 1550 Rx: 1490			N/A	80 km (49.71 miles)
	SFP-XG-LX-SM1270-BIDI	Tx: 1270 Rx: 1330	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-SM1330-BIDI	Tx: 1330 Rx: 1270			N/A	10 km (6.21 miles)
	SFP-XG-LX-SM1270-BIDI-S	Tx: 1270 Rx: 1330	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-SM1330-BIDI-S	Tx: 1330 Rx: 1270			N/A	10 km (6.21 miles)
SFP+ copper cable	LSWM1STK	N/A	N/A	SFP+ copper cable	N/A	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	N/A	N/A	SFP+ fiber cable	N/A	7 m (22.97 ft)
	SFP-XG-D-AOC-7M-H					7 m (22.97 ft)
	SFP-XG-D-AOC-10M					10 m (32.81 ft)
	SFP-XG-D-AOC-10M-H					10 m (32.81 ft)
	SFP-XG-D-AOC-20M					20 m (65.62 ft)
	SFP-XG-D-AOC-20M-H					20 m (65.62 ft)



IMPORTANT:

The following transceiver modules must be used in pairs:

- SFP-XG-LH40-SM1270-BIDI and SFP-XG-LH40-SM1330-BIDI.
- SFP-XG-LH80-SM1490-BIDI and SFP-XG-LH80-SM1550-BIDI.
- SFP-XG-LX-SM1270-BIDI and SFP-XG-LX-SM1330-BIDI.
- SFP-XG-LX-SM1270-BIDI-S and SFP-XG-LX-SM1330-BIDI-S.

For example, if one end uses an SFP-XG-LH40-SM1270-BIDI transceiver module, the other end must use an SFP-XG-LH40-SM1330-BIDI transceiver module.

Table6-10 10GE SFP+ transceiver modules and cables available for the SFP+ ports (2)

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
SFP+ copper transceiver module	SFP-10GE-T	N/A	RJ-45	Category 6A shielded twisted pair cables or category 7 twisted pair cables	N/A	30 m (98.43 ft)
SFP+ optical transceiver module	SFP-XG-SX-MM 850-D	850	LC	50/125, MMF	2000	300 m (984.25 ft)
					500	82 m (269.03 ft)
					400	66 m (216.54 ft)
				62.5/125, MMF	200	33 m (108.27 ft)
					160	26 m (85.30 ft)
	SFP-XG-SX-MM 850-A	850	LC	50/125, MMF	2000	300 m (984.25 ft)
					500	82 m (269.03 ft)
					400	66 m (216.54 ft)
				62.5/125, MMF	200	33 m (108.27 ft)
					160	26 m (85.30 ft)
	SFP-XG-SX-MM 850-E	850	LC	50/125, MMF	2000	300 m (984.25 ft)
					500	82 m (269.03 ft)
					400	66 m (216.54 ft)
				62.5/125, MMF	200	33 m (108.27 ft)
					160	26 m

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
						(85.30 ft)
	SFP-XG-SX-MM 850-H	850	LC	50/125, MMF	2000	300 m (984.25 ft)
					500	82 m (269.03 ft)
					400	66 m (216.54 ft)
				62.5/125, MMF	200	33 m (108.27 ft)
					160	26 m (85.30 ft)
	SFP-XG-SX-MM 850-S	850	LC	50/125, MMF	2000	300 m (984.25 ft)
					500	82 m (269.03 ft)
					400	66 m (216.54 ft)
				62.5/125, MMF	200	33 m (108.27 ft)
					160	26 m (85.30 ft)
	SFP-XG-LX-SM 1310	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-SM 1310-F	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-SM 1310-D	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-SM 1310-E	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-SM 1310-S	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LH40-S M1550	1550	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-XG-LH40-S M1550-D	1550	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-XG-LH40-S M1550-S	1550	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-XG-LH80-S	1550	LC	9/125, SMF	N/A	80 km

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
	M1550					(49.71 miles)
	SFP-XG-LH80-S M1550-D	1550	LC	9/125, SMF	N/A	80 km (49.71 miles)
	SFP-XG-LH40-S M1270-BIDI	Tx: 1270 Rx: 1330	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-XG-LH40-S M1330-BIDI	Tx: 1330 Rx: 1270	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-XG-LH80-S M1490-BIDI	Tx: 1490 Rx: 1550	LC	9/125, SMF	N/A	80 km (49.71 miles)
	SFP-XG-LH80-S M1550-BIDI	Tx: 1550 Rx: 1490	LC	9/125, SMF	N/A	80 km (49.71 miles)
	SFP-XG-LX-SM 1270-BIDI	Tx: 1270 Rx: 1330	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-SM 1330-BIDI	Tx: 1330 Rx: 1270	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-SM 1270-BIDI-S	Tx: 1270 Rx: 1330	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-XG-LX-SM 1330-BIDI-S	Tx: 1330 Rx: 1270	LC	9/125, SMF	N/A	10 km (6.21 miles)
SFP+ copper cable	LSWM1STK	N/A	N/A	SFP+ copper cable	N/A	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-10G-D-CAB-5M-S					5 m (16.40 ft)
SFP+ fiber cable	SFP-XG-D-AOC -7M	N/A	N/A	SFP+ fiber cable	N/A	7 m (22.97 ft)
	SFP-XG-D-AOC -7M-H					7 m (22.97 ft)
	SFP-XG-D-AOC -10M					10 m (32.81 ft)
	SFP-XG-D-AOC					10 m

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
	-10M-H					(32.81 ft)
	SFP-XG-D-AOC-20M					20 m (65.62 ft)
	SFP-XG-D-AOC-20M-H					20 m (65.62 ft)



IMPORTANT:

The following transceiver modules must be used in pairs:

- SFP-XG-LH40-SM1270-BIDI and SFP-XG-LH40-SM1330-BIDI transceiver modules.
- SFP-XG-LH80-SM1490-BIDI and SFP-XG-LH80-SM1550-BIDI transceiver modules.
- SFP-XG-LX-SM1270-BIDI and SFP-XG-LX-SM1330-BIDI transceiver modules.
- SFP-XG-LX-SM1270-BIDI-S and SFP-XG-LX-SM1330-BIDI-S transceiver modules.

For example, if one end uses an SFP-XG-LH40-SM1270-BIDI transceiver module, the other end must use an SFP-XG-LH40-SM1330-BIDI transceiver module.

Table6-11 2.5GE SFP transceiver modules and cables available for the SFP+ ports (1)

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
2.5GE SFP copper transceiver module	SFP-2.5G-LX10-SM1310-DR-I	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)

Table6-12 2.5GE SFP transceiver modules and cables available for the SFP+ ports (2)

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Maximum transmission distance
2.5GE SFP copper transceiver module	SFP-2.5G-LX10-SM1310-DR-I	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-2.5G-LX10-SM1310-DR-I-F	1310	PoDLC	9/125, SMF	N/A	10 km (6.21 miles)

Table6-13 GE SFP transceiver modules and cables available for the SFP+ ports (1)

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
SFP copper transceiver module	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 module	SFP-GE-SX-M M850-A	850	LC	50/125, MMF	500	550 m (1804.46 ft)
					400	500 m (1640.42 ft)
				62.5/125, MMF	200	275 m (902.23 ft)
					160	220 m (721.78 ft)
	SFP-GE-SX-M M850-D	850	LC	50/125, MMF	500	550 m (1804.46 ft)
					400	500 m (1640.42 ft)
				62.5/125, MMF	200	275 m (902.23 ft)
					160	220 m (721.78 ft)
	SFP-GE-SX-M M850-S	850	LC	50/125, MMF	500	550 m (1804.46 ft)
					400	500 m (1640.42 ft)
				62.5/125, MMF	200	275 m (902.23 ft)
					160	220 m (721.78 ft)
	SFP-GE-LX-S M1310-A	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
				50/125, MMF	500/400	550 m (1804.46 ft)
				62.5/125, MMF	500	550 m (1804.46 ft)
	SFP-GE-LX-S M1310-D	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
				50/125, MMF	500/400	550 m

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
				MMF		(1804.46 ft)
				62.5/125, MMF	500	550 m (1804.46 ft)
	SFP-GE-LX-SM1310-S	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
				50/125, MMF	500/400	550 m (1804.46 ft)
				62.5/125, MMF	500	550 m (1804.46 ft)
	SFP-GE-LH40-SM1310	1310	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH40-SM1310-D	1310	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH40-SM1310-S	1310	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH40-SM1550	1550	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH80-SM1550	1550	LC	9/125, SMF	N/A	80 km (49.71 miles)
	SFP-GE-LH100-SM1550	1550	LC	9/125, SMF	N/A	100 km (62.14 miles)
	SFP-GE-LH80-SM1550-D	1550	LC	9/125, SMF	N/A	80 km (49.71 miles)
	SFP-GE-LX-SM1310-F	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LX10-SM1310	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LH40-SM1310-I	1310	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH20-SM1310-I	1310	LC	9/125, SMF	N/A	20 km (12.43 miles)
	SFP-GE-LX-S	Tx: 1310	LC	9/125,	N/A	10 km

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
	M1310-BIDI	Rx: 1490		SMF		(6.21 miles)
	SFP-GE-LX-S M1490-BIDI	Tx: 1490 Rx: 1310				
	SFP-GE-LX-S M1310-BIDI-S	Tx: 1310 Rx: 1490	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LX-S M1490-BIDI-S	Tx: 1490 Rx: 1310				
	SFP-GE-LX-S M1310-BIDI-I	Tx: 1310 Rx: 1490	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LX-S M1490-BIDI-I	Tx: 1490 Rx: 1310				
	SFP-GE-LH40-SM1310-BIDI	Tx: 1310 Rx: 1550	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH40-SM1550-BIDI	Tx: 1550 Rx: 1310			N/A	40 km (24.86 miles)
	SFP-GE-LH70-SM1490-BIDI	Tx: 1490 Rx: 1550	LC	9/125, SMF	N/A	70 km (43.50 miles)
	SFP-GE-LH70-SM1550-BIDI	Tx: 1550 Rx: 1490			N/A	70 km (43.50 miles)
SFP copper cable	SFP-STACK-Kit	N/A	N/A	SFP copper cable	N/A	1.5 m (4.92 ft)
	SFP-STACK-Kit-S	N/A	N/A	SFP copper cable	N/A	1.5 m (4.92 ft)

! IMPORTANT:

The following transceiver modules must be used in pairs:

- SFP-GE-LX-SM1310-BIDI and SFP-GE-LX-SM1490-BIDI.
- SFP-GE-LX-SM1310-BIDI-S and SFP-GE-LX-SM1490-BIDI-S.
- SFP-GE-LX-SM1310-BIDI-I and SFP-GE-LX-SM1490-BIDI-I.
- SFP-GE-LH40-SM1310-BIDI and SFP-GE-LH40-SM1550-BIDI.
- SFP-GE-LH70-SM1490-BIDI and SFP-GE-LH70-SM1550-BIDI.

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.

Table6-14 GE SFP transceiver modules and cables available for the SFP+ ports (2)

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
SFP copper transceiver module	SFP-GE-T	N/A	RJ-45	Twisted pair cable	N/A	100 m (328.08 ft)
	SFP-GE-T-S	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 module	SFP-GE-SX-M M850-A	850	LC	50/125, MMF	500	550 m (1804.46 ft)
					400	500 m (1640.42 ft)
				62.5/125, MMF	200	275 m (902.23 ft)
					160	220 m (721.78 ft)
	SFP-GE-SX-M M850-D	850	LC	50/125, MMF	500	550 m (1804.46 ft)
					400	500 m (1640.42 ft)
				62.5/125, MMF	200	275 m (902.23 ft)
					160	220 m (721.78 ft)
	SFP-GE-SX-M M850-S	850	LC	50/125, MMF	500	550 m (1804.46 ft)
					400	500 m (1640.42 ft)
				62.5/125, MMF	200	275 m (902.23 ft)
					160	220 m (721.78 ft)

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
	SFP-GE-LX-S M1310-A	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
				50/125, MMF	500/400	550 m (1804.46 ft)
				62.5/125, MMF	500	550 m (1804.46 ft)
	SFP-GE-LX-S M1310-D	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
				50/125, MMF	500/400	550 m (1804.46 ft)
				62.5/125, MMF	500	550 m (1804.46 ft)
	SFP-GE-LX-S M1310-S	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
				50/125, MMF	500/400	550 m (1804.46 ft)
				62.5/125, MMF	500	550 m (1804.46 ft)
	SFP-GE-LH40-SM1310	1310	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH40-SM1310-D	1310	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH40-SM1310-S	1310	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH40-SM1550	1550	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH80-SM1550	1550	LC	9/125, SMF	N/A	80 km (49.71 miles)
	SFP-GE-LH100-SM1550	1550	LC	9/125, SMF	N/A	100 km (62.14 miles)
	SFP-GE-LH80	1550	LC	9/125,	N/A	80 km

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
	-SM1550-D			SMF		(49.71 miles)
	SFP-GE-LX-S M1310-F	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LX10 -SM1310	1310	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LH40 -SM1310-I	1310	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH20 -SM1310-I	1310	LC	9/125, SMF	N/A	20 km (12.43 miles)
	SFP-GE-LX-S M1310-BIDI	Tx: 1310 Rx: 1490	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LX-S M1490-BIDI	Tx: 1490 Rx: 1310				
	SFP-GE-LX-S M1310-BIDI-S	Tx: 1310 Rx: 1490	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LX-S M1490-BIDI-S	Tx: 1490 Rx: 1310				
	SFP-GE-LX-S M1310-BIDI-I	Tx: 1310 Rx: 1490	LC	9/125, SMF	N/A	10 km (6.21 miles)
	SFP-GE-LX-S M1490-BIDI-I	Tx: 1490 Rx: 1310				
	SFP-GE-LH40 -SM1310-BIDI	Tx: 1310 Rx: 1550	LC	9/125, SMF	N/A	40 km (24.86 miles)
	SFP-GE-LH40 -SM1550-BIDI	Tx: 1550 Rx: 1310			N/A	40 km (24.86 miles)
	SFP-GE-LH70 -SM1490-BIDI	Tx: 1490 Rx: 1550	LC	9/125, SMF	N/A	70 km (43.50 miles)
	SFP-GE-LH70 -SM1550-BIDI	Tx: 1550 Rx: 1490			N/A	70 km (43.50 miles)
SFP copper cable	SFP-STACK-Kit	N/A	N/A	SFP copper cable	N/A	1.5 m (4.92 ft)
	SFP-STACK-Kit-S	N/A	N/A	SFP copper	N/A	1.5 m (4.92 ft)

Transceiver module/cable type	Transceiver module/cable model	Central wavelength (nm)	Connector type	Cable/Fiber type and diameter (μm)	Mode bandwidth (MHz*km)	Max transmission distance
				cable		

! IMPORTANT:

The following transceiver modules must be used in pairs:

- SFP-GE-LX-SM1310-BIDI and SFP-GE-LX-SM1490-BIDI.
- SFP-GE-LX-SM1310-BIDI-S and SFP-GE-LX-SM1490-BIDI-S.
- SFP-GE-LX-SM1310-BIDI-I and SFP-GE-LX-SM1490-BIDI-I.
- SFP-GE-LH40-SM1310-BIDI and SFP-GE-LH40-SM1550-BIDI.
- SFP-GE-LH70-SM1490-BIDI and SFP-GE-LH70-SM1550-BIDI.

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 H3C Support or marketing staff.
- For more information about H3C transceiver modules and cables, see *H3C Transceiver Modules User Guide*.

Figure6-2 SFP+ copper cable



(1) Connector

(2) Pull latch

10/100/1000BASE-T Ethernet port

Table6-15 10/100/1000BASE-T Ethernet port specifications

Item	Specification
Connector type	RJ-45
Transmission rate, duplex mode, and auto MDI/MDI-X	• 10 Mbps, full duplex • 100 Mbps, 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, 802.3u, 802.3ab
Compatible switch models	All models (except for the S5130S-48S6X-EI-G-V2)

10/100/1000/2500BASE-T Ethernet port

Table6-16 10/100/1000/2500BASE-T Ethernet port specifications

Item	Specification
Connector type	RJ-45
Transmission rate, duplex mode, and auto MDI/MDI-X	• 10 Mbps, full duplex • 100 Mbps, full duplex • 1000 Mbps, full duplex • 2500 Mbps, full duplex • MDI/MDI-X autosensing
Max transmission distance	• 110 m (360.89 ft) over Category 5e or above twisted pair cables when the transmission rate is 2.5 Gbps • 140 m (459.32 ft) over Category 5e or above twisted pair cables when the transmission rate is 1 Gbps, 100 Mbps, or 10 Mbps
Transmission medium	Category 5e or above twisted pair cable
Compliant standard	IEEE 802.3i, 802.3u, 802.3ab, 802.3bz
Compatible switch models	• S5130S-48UN6X-EI-G-V2 • S5130S-24UN8X-EI-G-V2

2.5G/1000/100/10BASE-T autosensing Ethernet port

Table6-17 2.5G/1000/100/10BASE-T autosensing Ethernet port specifications

Item	Specification
Connector type	RJ-45
Transmission rate, duplex mode, and auto MDI/MDI-X	• 10 Mbps, full duplex • 100 Mbps, full duplex • 1000 Mbps, full duplex • 2.5 Gbps, full duplex

Item	Specification
	MDI/MDI-X autosensing
Max transmission distance	110 m (360.89 ft) over Category 5e or above twisted pair cables when the transmission rate is 2.5 Gbps 110 m (360.89 ft) over Category 5e or above twisted pair cables when the transmission rate is 1 Gbps, 100 Mbps, or 10 Mbps
Transmission medium	Category 5e or above twisted pair cable
Compliant standard	IEEE 802.3i, 802.3u, 802.3ab, 802.3bz
Compatible switch models	- S5130S-48UN4XC-EI-G-V2 - S5130S-24UN8XC-EI-G-V2 - S5130S-48N4XC-EI-G-V2 - S5130S-24N8XC-EI-G-V2

Port rate limit restrictions

! IMPORTANT:

- A port group includes ports that must operate at the same rate. When the ports in a port group operate in autonegotiation mode, they automatically operate at the rate of the first inserted transceiver module. You cannot install transceiver modules with different transmission rates on these ports.
- Switch models or ports not mentioned in this section do not have rate limit restrictions.

Table6-18 Port rate limit restrictions

Switch model	Ports	Supported rates	Rate limit restrictions
S5130S-48UN4XC-EI-G-V2	Ports 49 to 52	12 Gbps, 10 Gbps, 2.5 Gbps, 1 Gbps	When the switch operates independently, the ports can operate at a maximum of two rates (10 Gbps and another rate) simultaneously. When the switch operates as an IRF member device, an SFP+ port can operate only at 10 Gbps or 12 Gbps.
S5130S-24UN8XC-EI-G-V2 S5130S-24N8XC-EI-G-V2	Ports 25 and 26	12 Gbps, 10 Gbps, 2.5 Gbps, 1 Gbps	When the switch operates independently, the ports can operate at a maximum of two rates (10 Gbps and another rate) simultaneously. When the switch operates as an IRF member device, an SFP+ port can operate only at 10 Gbps or 12 Gbps.
	Ports 27 to 30	12 Gbps, 10 Gbps, 2.5 Gbps, 1 Gbps	When the switch operates independently, the ports can operate at a maximum of two rates (10 Gbps and another rate) simultaneously. When the switch operates as an IRF member device, an SFP+ port can operate only at 10 Gbps or 12 Gbps.
S5130S-48N4XC-EI-G-V2	Ports 49 and 50	10 Gbps, 2.5 Gbps, 1 Gbps	When the switch operates independently, the ports can operate at a maximum of two rates (10 Gbps and another rate) simultaneously.

Switch model	Ports	Supported rates	Rate limit restrictions
			When the switch operates as an IRF member device, an SFP+ port can operate only at 10 Gbps.
S5130S-28T8X-EI-G-V2	Ports 29 to 36	12 Gbps, 10 Gbps, 2.5 Gbps, 1 Gbps	Ports 29 to 32 can operate at a maximum of two rates simultaneously.
S5130S-28P8X-EI-G-V2			Ports 33 to 36 can operate at a maximum of two rates simultaneously.
S5130S-28S8T8X-EI-G-V2			Ports 29 to 36 can operate at a maximum of three rates simultaneously.
S5130S-28U4S8X-EI-G-V2			An SFP+ port can operate at 12 Gbps only when it operates as a physical IRF port.
S5130S-24UN8X-EI-G-V2	Ports 25 to 32	12 Gbps, 10 Gbps, 2.5 Gbps, 1 Gbps	Port 25 to 28 can operate at a maximum of two rates simultaneously. Ports 29 to 32 can operate at a maximum of two rates simultaneously. Ports 25 to 32 can operate at a maximum of three rates simultaneously. An SFP+ port can operate at 12 Gbps only when it operates as a physical IRF port.
S5130S-48T6X-EI-G-V2	Ports 49 to 52	12 Gbps, 10 Gbps, 2.5 Gbps, 1 Gbps	Ports 49 to 52 can operate at a maximum of two rates simultaneously. An SFP+ port can operate at 12 Gbps only when it operates as a physical IRF port.
S5130S-48P6X-EI-G-V2	Ports 49 to 52	12 Gbps, 10 Gbps, 2.5 Gbps, 1 Gbps	Ports 49 to 52 can operate at a maximum of two rates simultaneously. An SFP+ port can operate at 12 Gbps only when it operates as a physical IRF port.
S5130S-48UN6X-EI-G-V2	Ports 49 to 52	12 Gbps, 10 Gbps, 2.5 Gbps, 1 Gbps	Ports 49 to 52 can operate at a maximum of two rates simultaneously. An SFP+ port can operate at 12 Gbps only when it operates as a physical IRF port.
S5130S-48S6X-EI-G-V2	Ports 49 to 52	12 Gbps, 10 Gbps, 2.5 Gbps, 1 Gbps	Ports 49 to 52 can operate at a maximum of two rates simultaneously. An SFP+ port can operate at 12 Gbps only when it operates as a physical IRF port.
S5130S-48U6X-EI-G-V2	Ports 49 to 52	12 Gbps, 10 Gbps, 2.5 Gbps, 1 Gbps	Ports 49 to 52 can operate at a maximum of two rates simultaneously. An SFP+ port can operate at 12 Gbps only when it operates as a physical IRF port.

LEDs

System status LED

The system status LED shows the operating status of the switch, as shown in [Table6-19](#).

Table6-19 System status LED description

LED mark	Status	Description
SYS	Steady green	The switch has started up correctly.
	Flashing green (1 Hz)	The switch is performing power-on self test (POST).
	Steady red	The switch has failed POST or the switch is faulty.
	Off	The switch is powered off.

Removable power supply status LED

The power supply status LEDs on the front panel indicate the operating status of the power supplies.

Table6-20 Removable power supply 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

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.
- After you press the mode button to change the mode LED status into flashing green or flashing yellow, the mode LED keeps in that state for only 45 seconds and then turns steady green automatically.

Table6-21 Mode LED description

LED mark	Status	Description
MODE	Steady green	The port LEDs are showing the link state 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 4 is steady green, the IRF member ID of the switch is 4.

Management Ethernet port LED

Table6-22 Management Ethernet port LED description

LED status (LINK/ACT)	Description
Steady green	A link is present on the port.
Flashing yellow	The port is receiving or sending data

LED status (LINK/ACT)	Description
Off	No link is present on the port.

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

The 10/100/1000BASE-T autosensing Ethernet port LEDs work in conjunction with the mode LED to indicate the operating status of the Ethernet ports and the switch from different aspects.

Table6-23 10/100/1000BASE-T autosensing Ethernet port LED description

Mode LED status	Ethernet port LED status	Description
Steady green (rate mode)	Steady green	A link is present on the port and the port is operating at 1000 Mbps.
	Flashing green	The port is receiving or sending data at 1000 Mbps.
	Steady yellow	A link is present on the port and the port is operating at 10/100 Mbps.
	Flashing yellow	The port is receiving or sending data at 10/100 Mbps.
	Off	No link is present on the port.
Flashing yellow (IRF mode)	Steady green	The port LEDs work in conjunction to indicate the IRF member ID of the switch. For example, if the LED for port 4 is steady green, the IRF member ID of the switch is 4.
Flashing green (PoE mode, available only for PoE models)	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.

10/100/1000/2500BASE-T autosensing Ethernet port LED

The 10/100/1000/2500BASE-T autosensing Ethernet port LEDs work in conjunction with the mode LED to indicate the operating status of the Ethernet ports and the switch from different aspects.

Table6-24 10/100/1000/2500BASE-T autosensing Ethernet port LED description

Mode LED status	Ethernet port LED status	Description
Steady green (rate mode)	Steady green	A link is present on the port and the port is operating at 2500 Mbps.
	Flashing green	The port is receiving or sending data at 2500 Mbps.
	Steady yellow	A link is present on the port and the port is operating at 10/100/1000 Mbps.
	Flashing yellow	The port is receiving or sending data at 10/100/1000 Mbps.

Mode LED status	Ethernet port LED status	Description
	Off	No link is present on the port.
Flashing yellow (IRF mode)	Steady green	The port LEDs work in conjunction to indicate the IRF member ID of the switch. For example, if the LED for port 4 is steady green, the IRF member ID of the switch is 4.
Flashing green (PoE mode, available only for PoE models)	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.

2.5G/1000/100/10BASE-T autosensing Ethernet port LED

The 2.5G/1000/100/10BASE-T autosensing Ethernet port LEDs work in conjunction with the mode LED to indicate the operating status of the Ethernet ports and the switch from different aspects.

Table6-25 2.5G/1000/100/10BASE-T autosensing Ethernet port LED description

Mode LED status	Ethernet port LED status	Description
Steady green (rate mode)	Steady green	A link is present on the port and the port is operating at 2500 Mbps.
	Flashing green	The port is receiving or sending data at 2500 Mbps.
	Steady yellow	A link is present on the port and the port is operating at 10/100/1000 Mbps.
	Flashing yellow	The port is receiving or sending data at 10/100/1000 Mbps.
	Off	No link is present on the port.
Flashing yellow (IRF mode)	Steady green	The port LEDs work in conjunction to indicate the IRF member ID of the switch. For example, if the LED for port 4 is steady green, the IRF member ID of the switch is 4.
Flashing green (PoE mode, available only for PoE models)	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.

SFP+ port LED

Table6-26 SFP+ port LED description

Mode LED status	SFP+ port LED	Description
Steady green (rate mode)	Steady green	A link is present on the port and the port is operating at 10 Gbps.
	Flashing green	The port is receiving or sending data at 10 Gbps.
	Steady yellow	A link is present on the port and the port is operating at 2.5/1 Gbps.
	Flashing yellow	The port is receiving or sending data at 2.5/1 Gbps.
	Off	No link is present on the port.
Flashing yellow (IRF mode)	Off	The mode LED is operating in IRF mode.

ID LED

Table6-27 ID LED description

LED mark	Status	Description
ID	Flashing blue	Helps you to locate the switch. Note: To locate the switch in the rack, execute the locator blink blink-time command. The LED then flashes blue.

7 Buttons

Reset button

Table7-1 Reset button functions

Item	Function
Reset button (RESET)	When the switch operates independently, perform either of the following tasks: • To restart the switch, press and hold the button for no more than 5 seconds. • To restore the factory defaults and restart the switch, press and hold the button for more than 5 seconds. When the switch operates as an IRF member device, pressing the button only restarts the switch.

8 Cooling system

Table8-1 Cooling system

Switch model	Airflow direction
S5130S-28T8X-EI-G-V2 S5130S-48T6X-EI-G-V2 S5130S-28S8T8X-EI-G-V2 S5130S-48S6X-EI-G-V2 S5130S-24UN8X-EI-G-V2 S5130S-28U4S8X-EI-G-V2 S5130S-28P8X-EI-G-V2 S5130S-48P6X-EI-G-V2 S5130S-48UN6X-EI-G-V2 S5130S-48U6X-EI-G-V2 S5130S-48N4XC-EI-G-V2 S5130S-24N8XC-EI-G-V2 S5130S-48UN4XC-EI-G-V2 S5130S-24UN8XC-EI-G-V2	Front-rear air aisle, from the port side to the power supply side

Figure8-2 Airflow through the chassis

