H3C S6526XE-HI[EI] Switch Series

Hardware Information and Specifications

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Document version: 6W100-20241223

Preface

H3C S6526XE-HI[EI] Switch Series Hardware Information and Specifications describes product models, technical specifications, ports,and LEDs of the S6526XE-HI[EI] switches.

This preface includes the following topics about the documentation:

- Audience.
- Conventions.
- Documentation feedback.

Audience

This documentation is intended for:

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

Conventions

The following information describes the conventions used in the documentation.

Command conventions

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

GUI conventions

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

Unless otherwise stated, interface modules and interface cards are used interchangeably in this document.

Product models

Table1-1 Switch series and models

Switch series	Model	Product code (PID)
S6526XE-HI switch series	S6526XE-32X6CC-HI	LS-6526XE-32X6CC-HI
	S6526XE-48X6CC-HI	LS-6526XE-48X6CC-HI
S6526XE-EI switch series	S6526XE-32X4CC-EI	LS-6526XE-32X4CC-EI
	S6526XE-48X4CC-EI	LS-6526XE-48X4CC-EI

NOTE:

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

Technical specifications

S6526XE-HI switch series

Table1-2 Technical specifications

Item	S6526XE-32X6CC-HI	S6526XE-48X6CC-HI
Physical specifications		
Dimensions (H × W × D)	44 × 440 × 400 mm (1.73 × 17.32 × 15.75 in)	
Dimensions (H × W × D, with package materials)	150 × 556 × 528 mm (5.91 × 21.89 × 20.79 in)	
Weight (fully configured with power supplies, fan trays, and expansion cards)	≤ 7.9 kg (17.42 lb)	≤ 8.1 kg (17.86 lb)
Technical specifications		
Memory (RAM)	4 GB	

Item	S6526XE-32X6CC-HI	S6526XE-48X6CC-HI
Flash	4 GB	
Port types and quantity		
Console port	• 1 × Type-C USB console port • 1 × serial console port Only the Type-C USB console port is available when you connect both ports.	
USB port	1	
Management Ethernet port	1	
SFP+ port	32	48
QSFP28 port	6	

IRF physical port	The following ports support IRF connection:
	• SFP+ ports and QSFP28 ports on the front panel
	• Ports that can be provided by the expansion card on the rear panel:
	  ○ SFP+ ports
	  ○ SFP28 ports
	  ○ QSFP+ ports
	  ○ QSFP28 ports	

Fan tray, power supply, and expansion card slots		
Expansion slot	1	
Power supply slot	2	
Fan tray slot	4	
Power supply specifications		
Power input	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 specifications	See "Removable power supplies"	
Power consumption		
Power consumption (static) Data collection standard: no load	Single AC input: 89 W Dual AC inputs: 90 W Single DC input: 86 W Dual DC inputs: 98 W	Single AC input: 85 W Dual AC inputs: 89 W Single DC input: 83 W Dual DC inputs: 96 W
Power consumption (typical) Data collection standard: fully configured with copper cables or network cables, at 30% load	Single AC input: 117 W Dual AC inputs: 125 W Single DC input: 123 W Dual DC inputs: 126 W	Single AC input: 118 W Dual AC inputs: 129 W Single DC input: 124 W Dual DC inputs: 131 W
Power consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, at 100% load	Single AC input: 237 W Dual AC inputs: 242 W Single DC input: 249 W Dual DC inputs: 256 W	Single AC input: 251 W Dual AC inputs: 255 W Single DC input: 262 W Dual DC inputs: 265 W

Item	S6526XE-32X6CC-HI	S6526XE-48X6CC-HI
Thermal consumption		
Thermal consumption (static) Data collection standard: no load	Single AC input: 304 BTU/h Dual AC inputs: 307 BTU/h Single DC input: 294 BTU/h Dual DC inputs: 335 BTU/h	Single AC input: 290 BTU/h Dual AC inputs: 304 BTU/h Single DC input: 284 BTU/h Dual DC inputs: 328 BTU/h
Thermal consumption (typical) Data collection standard: fully configured with copper cables or network cables, at 30% load	Single AC input: 399 BTU/h Dual AC inputs: 427 BTU/h Single DC input: 420 BTU/h Dual DC inputs: 430 BTU/h	Single AC input: 403 BTU/h Dual AC inputs: 440 BTU/h Single DC input: 423 BTU/h Dual DC inputs: 447 BTU/h
Thermal consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, at 100% load	Single AC input: 809 BTU/h Dual AC inputs: 826 BTU/h Single DC input: 850 BTU/h Dual DC inputs: 872 BTU/h	Single AC input: 856 BTU/h Dual AC inputs: 870 BTU/h Single DC input: 894 BTU/h Dual DC inputs: 904 BTU/h
Heat dissipation		
Heat dissipation method	Air cooling	
Ventilation aisle	Front-to-rear or rear-to-front airflow, determined by the selected fan tray model	
Reliability and availability		
Power supply redundancy	1+1	
Fan tray redundancy	You must fully configure the switch with fan trays.	
Hot swapping	Power supplies and fan trays support hot swapping. Expansion cards (except for the LSWM2XMGT4PM and LSWM2SP8PM) support hot swapping. Do not hot swap an expansion card when the switch is starting up.	
Mean Time Between Failure (MTBF) (year)	116.18	110.03
Mean Time To Repair (MTTR) (hour)	1	1
Availability	99.99990%	99.99990%
Environment specifications		
Sound pressure level at 27°C (80.6°F)	53.0 dBA	53.0 dBA
Altitude	–60 m to +5000 m (–196.85 ft to +16404.20 ft)	
Operating temperature	–5°C to +45°C (23°F to 113°F) **Note:** The allowed maximum temperature decreases by 0.33 °C (32.59°F) as the altitude increases by 100 m (328.08 ft) from 0 m (0 ft).	
Storage temperature	–40°C to +70°C (–40°F to +158°F)	
Relative humidity	5% RH to 95% RH, noncondensing	

Item	S6526XE-32X6CC-HI	S6526XE-48X6CC-HI
Compliance		
Product compliance	• Safety standards • EMC standards • Environmental and eco-friendly standards	

S6526XE-EI switch series

Table1-3 Technical specifications

Item	S6526XE-32X4CC-EI	S6526XE-48X4CC-EI
Physical specifications		
Dimensions (H × W × D)	44 × 440 × 400 mm (1.73 × 17.32 × 15.75 in)	
Dimensions (H × W × D, with package materials)	150 × 556 × 528 mm (5.91 × 21.89 × 20.79 in)	
Weight (fully configured with power supplies, fan trays, and expansion cards)	≤ 8.1 kg (17.86 lb)	≤ 8.2 kg (18.08 lb)
Technical specifications		
Memory (RAM)	4 GB	
Flash	4 GB	
Port types and quantity		
Console port	• 1 × Type-C USB console port • 1 × serial console port Only the Type-C USB console port is available when you connect both ports.	
USB port	1	
Management Ethernet port	1	
SFP+ port	32	48
QSFP28 port	4	

IRF physical port	The following ports support IRF connection:
	• SFP+ ports and QSFP28 ports on the front panel
	• Ports that can be provided by the expansion card on the rear panel:
	  ○ SFP+ ports
	  ○ SFP28 ports
	  ○ QSFP+ ports
	  ○ QSFP28 ports	

Fan tray, power supply, and expansion card slots		
Expansion slot	2	
Power supply slot	2	
Fan tray slot	2	

Item	S6526XE-32X4CC-EI	S6526XE-48X4CC-EI
Power supply specifications		
Power input	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 specifications	See "Removable power supplies"	
Power consumption		
Power consumption (static) Data collection standard: no load	Single AC input: 75 W Dual AC inputs: 83 W Single DC input: 74 W Dual DC inputs: 82 W	Single AC input: 72 W Dual AC inputs: 82 W Single DC input: 72 W Dual DC inputs: 81 W
Power consumption (typical) Data collection standard: fully configured with copper cables or network cables, at 30% load	Single AC input: 91 W Dual AC inputs: 98 W Single DC input: 94 W Dual DC inputs: 101 W	Single AC input: 100 W Dual AC inputs: 108 W Single DC input: 103 W Dual DC inputs: 112 W
Power consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, at 100% load	Single AC input: 239 W Dual AC inputs: 243 W Single DC input: 249 W Dual DC inputs: 250 W	Single AC input: 275 W Dual AC inputs: 277 W Single DC input: 279 W Dual DC inputs: 283 W
Thermal consumption		
Thermal consumption (static) Data collection standard: no load	Single AC input: 256 TU/h Dual AC inputs: 284 TU/h Single DC input: 253 TU/h Dual DC inputs: 280 TU/h	Single AC input: 246 TU/h Dual AC inputs: 280 TU/h Single DC input: 246 TU/h Dual DC inputs: 277 TU/h
Thermal consumption (typical) Data collection standard: fully configured with copper cables or network cables, at 30% load	Single AC input: 316 TU/h Dual AC inputs: 311 TU/h Single DC input: 321 TU/h Dual DC inputs: 345 TU/h	Single AC input: 341 TU/h Dual AC inputs: 367 TU/h Single DC input: 352 TU/h Dual DC inputs: 382 TU/h
Thermal consumption (full load) Data collection standard: fully configured with transceiver modules or network cables, at 100% load	Single AC input: 815 TU/h Dual AC inputs: 829 TU/h Single DC input: 850 TU/h Dual DC inputs: 853 TU/h	Single AC input: 938 TU/h Dual AC inputs: 945 TU/h Single DC input: 952 TU/h Dual DC inputs: 966 TU/h
Heat dissipation		
Heat dissipation method	Air cooling	
Ventilation aisle	Front-to-rear or rear-to-front airflow, determined by the selected fan tray model	

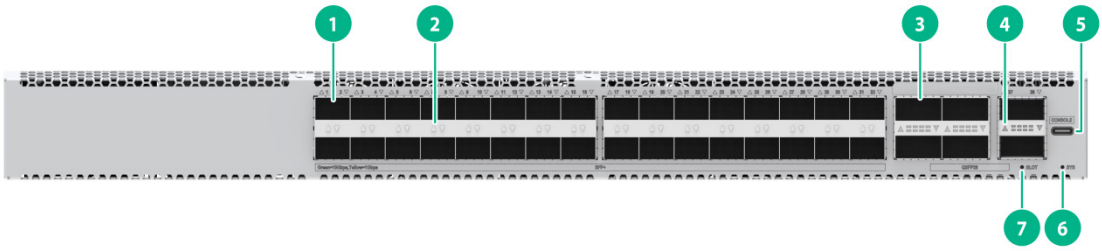
Item	S6526XE-32X4CC-EI	S6526XE-48X4CC-EI
Reliability and availability		
Power supply redundancy	1+1	
Fan tray redundancy	You must fully configure the switch with fan trays.	
Hot swapping	Power supplies and fan trays support hot swapping. Expansion cards (except for the LSWM2XMGT4PM and LSWM2SP8PM) support hot swapping. Do not hot swap an expansion card when the switch is starting up.	
Mean Time Between Failure (MTBF) (year)	41.02	39.98
Mean Time To Repair (MTTR) (hour)	1	1
Availability	99.99971%	99.99972%
Environment specifications		
Sound pressure level at 27°C (80.6°F)	48.5 dBA	
Altitude	–60 m to +5000 m (–196.85 ft to +16404.20 ft)	
Operating temperature	–5°C to +45°C (23°F to 113°F) **Note:** The allowed maximum temperature decreases by 0.33 °C (32.59°F) as the altitude increases by 100 m (328.08 ft) from 0 m (0 ft).	
Storage temperature	–40°C to +70°C (–40°F to +158°F)	
Relative humidity	5% RH to 95% RH, noncondensing	
Compliance		
Product compliance	• Safety standards • EMC standards • Environmental and eco-friendly standards	

2 Chassis views

S6526XE-HI switch series

S6526XE-32X6CC-HI

Figure2-1 Front panel

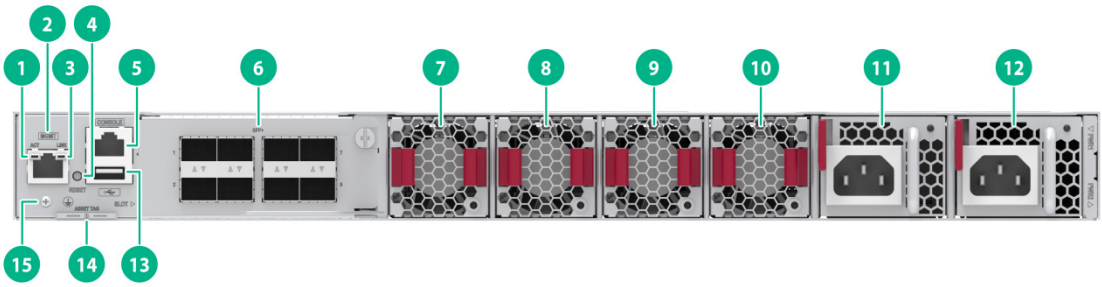


(1) SFP+ port	(2) SFP+ port LED
(3) QSFP28 port	(4) QSFP28 port LED
(5) Type-C USB console port	(6) System status LED (SYS)
(7) Expansion card status LED (SLOT)	

NOTE:

The Type-C USB console port is used for device management only, and cannot be used for storage.

Figure2-2 Rear panel



(1) Management Ethernet port LED (ACT)	(2) Management Ethernet port (MGMT)
(3) Management Ethernet port LED (LINK)	(4) Reset button (RESET)
(5) Serial console port	(6) Expansion card
(7) Fan tray 1	(8) Fan tray 2
(9) Fan tray 3	(10) Fan tray 4
(11) Power supply 1	(12) Power supply 2
(13) USB port	(14) Serial label pull tab
(15) Grounding screw	

The S6526XE-32X6CC-HI 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 required. In Figure2-2, two PSR450-12A1 AC power supplies are installed in the power supply slots.

The S6526XE-32X6CC-HI switch came with four fan tray slots empty. You must install four fan trays of the same model for the switch. In Figure2-2, four LSPM1FANSB-SN fan trays are installed in the fan tray slots.

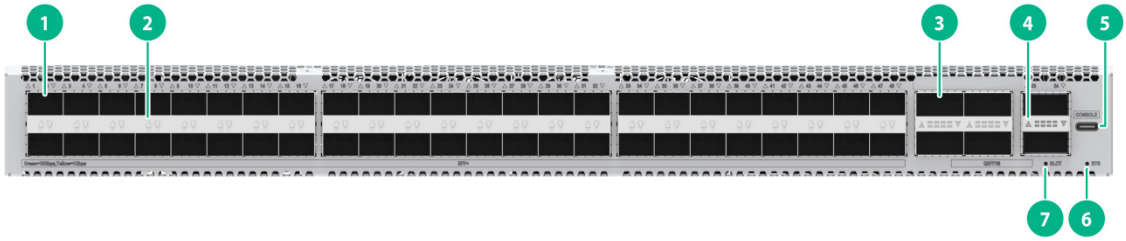
The S6526XE-32X6CC-HI switch came with the expansion slot installed with a filler panel. You can select an expansion card for the switch as required. In Figure2-2, an LSWM2SP8P interface card is installed in the expansion slot.

The S6526XE-32X6CC-HI switch supports shipping with fan trays and power supplies installed. For the switch to be shipped with fan trays or power supplies installed, contact the marketing staff.

The S6526XE-32X6CC-HI switch has a reset button on the rear panel. The system LED flashes when the reset button is being pressed. To reboot the switch, press and hold the button for 1 to 5 seconds. To restore the switch to the factory defaults and reboot it, press and hold the reset button for more than 5 seconds.

S6526XE-48X6CC-HI

Figure2-3 Front panel

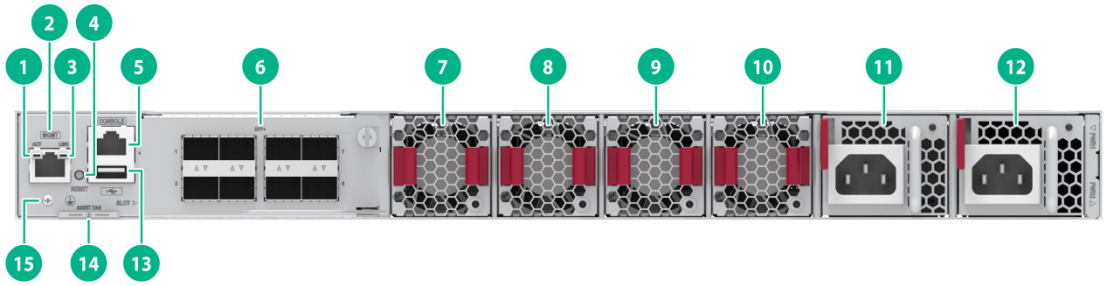


(1) SFP+ port	(2) SFP+ port LED
(3) QSFP28 port	(4) QSFP28 port LED
(5) Type-C USB console port	(6) System status LED (SYS)
(7) Expansion card status LED (SLOT)	

NOTE:

The Type-C USB console port is used for device management only, and cannot be used for storage.

Figure2-4 Rear panel



(1) Management Ethernet port LED (ACT)	(2) Management Ethernet port (MGMT)
(3) Management Ethernet port LED (LINK)	(4) Reset button (RESET)
(5) Serial console port	(6) Expansion card
(7) Fan tray 1	(8) Fan tray 2
(9) Fan tray 3	(10) Fan tray 4
(11) Power supply 1	(12) Power supply 2

(13) USB port	(14) Serial label pull tab
(15) Grounding screw	

The S6526XE-48X6CC-HI 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 required. In Figure2-4, two PSR450-12A1 AC power supplies are installed in the power supply slots.

The S6526XE-48X6CC-HI switch came with four fan tray slots empty. You must install four fan trays of the same model for the switch. In Figure2-4, four LSPM1FANSB-SN fan trays are installed in the fan tray slots.

The S6526XE-48X6CC-HI switch came with the expansion slot installed with a filler panel. You can select an expansion card for the switch as required. In Figure2-4, an LSWM2SP8P interface card is installed in the expansion slot.

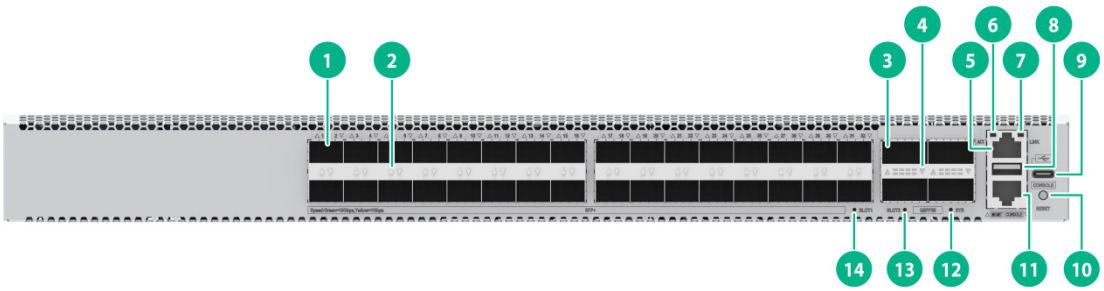
The S6526XE-48X6CC-HI switch supports shipping with fan trays and power supplies installed. For the switch to be shipped with fan trays or power supplies installed, contact the marketing staff.

The S6526XE-48X6CC-HI switch has a reset button on the rear panel. The system LED flashes when the reset button is being pressed. To reboot the switch, press and hold the button for 1 to 5 seconds. To restore the switch to the factory defaults and reboot it, press and hold the reset button for more than 5 seconds.

S6526XE-EI switch series

S6526XE-32X4CC-EI

Figure2-5 Front panel

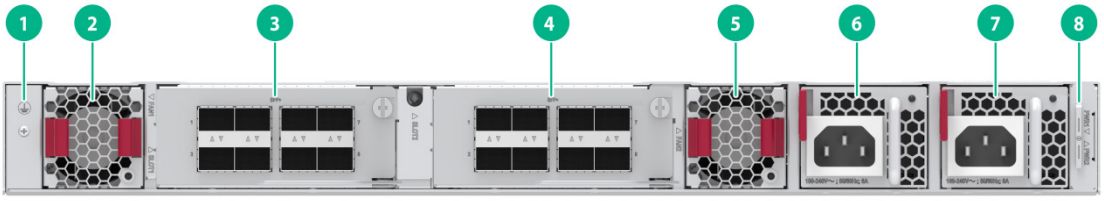


(1) SFP+ port	(2) SFP+ port LED
(3) QSFP28 port	(4) QSFP28 port LED
(5) Management Ethernet port (MGMT)	(6) Management Ethernet port LED (ACT)
(7) Management Ethernet port LED (LINK)	(8) USB port
(9) Type-C USB console port	(10) Reset button (RESET)
(11) Serial console port	(12) System status LED (SYS)
(13) Expansion card status LED 2 (SLOT2)	(14) Expansion card status LED 1 (SLOT1)

NOTE:

The Type-C USB console port is used for device management only, and cannot be used for storage.

Figure2-6 Rear panel



(1) Grounding screw	(2) Fan tray 1
(3) Expansion card 1	(4) Expansion card 2
(5) Fan tray 2	(6) Power supply 1
(7) Power supply 2	(8) Serial label pull tab

The S6526XE-32X4CC-EI 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 required. In Figure2-6, two PSR450-12A1 AC power supplies are installed in the power supply slots.

The S6526XE-32X4CC-EI switch came with two fan tray slots empty. You must install two fan trays of the same model for the switch. In Figure2-6, two FAN-40B-1-A fan trays are installed in the fan tray slots.

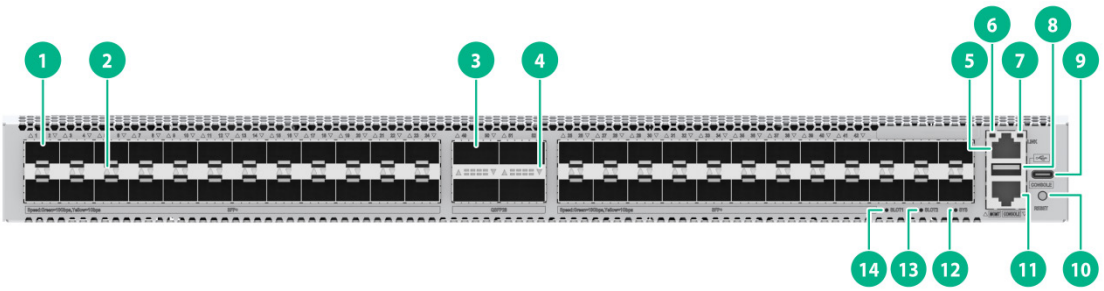
The S6526XE-32X4CC-EI switch came with two expansion slots each installed with a filler panel. You can select expansion cards for the switch as required. In Figure2-6, two LSWM2SP8P interface cards are installed in the expansion slots.

The S6526XE-32X4CC-EI switch supports shipping with fan trays and power supplies installed. For the switch to be shipped with fan trays or power supplies installed, contact the marketing staff.

The S6526XE-32X4CC-EI switch has a reset button on the rear panel. The system LED flashes when the reset button is being pressed. To reboot the switch, press and hold the button for 1 to 5 seconds. To restore the switch to the factory defaults and reboot it, press and hold the reset button for more than 5 seconds.

S6526XE-48X4CC-EI

Figure2-7 Front panel

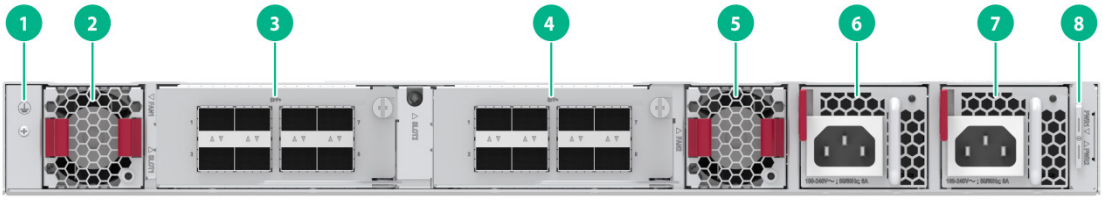


(1) SFP+ port	(2) SFP+ port LED
(3) QSFP28 port	(4) QSFP28 port LED
(5) Management Ethernet port (MGMT)	(6) Management Ethernet port LED (ACT)
(7) Management Ethernet port LED (LINK)	(8) USB port
(9) Type-C USB console port	(10) Reset button (RESET)
(11) Serial console port	(12) System status LED (SYS)
(13) Expansion card status LED 2 (SLOT2)	(14) Expansion card status LED 1 (SLOT1)

NOTE:

The Type-C USB console port is used for device management only, and cannot be used for storage.

Figure2-8 Rear panel



(1) Grounding screw	(2) Fan tray 1
(3) Expansion card 1	(4) Expansion card 2
(5) Fan tray 2	(6) Power supply 1
(7) Power supply 2	(8) Serial label pull tab

The S6526XE-48X4CC-EI 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 required. In Figure2-8, two PSR450-12A1 AC power supplies are installed in the power supply slots.

The S6526XE-48X4CC-EI switch came with two fan tray slots empty. You must install two fan trays of the same model for the switch. In Figure2-8, two FAN-40B-1-A fan trays are installed in the fan tray slots.

The S6526XE-48X4CC-EI switch came with two expansion slots each installed with a filler panel. You can select expansion cards for the switch as required. In Figure2-8, two LSWM2SP8P interface cards are installed in the expansion slots.

The S6526XE-48X4CC-EI switch supports shipping with fan trays and power supplies installed. For the switch to be shipped with fan trays or power supplies installed, contact the marketing staff.

The S6526XE-48X4CC-EI switch has a reset button on the rear panel. The system LED flashes when the reset button is being pressed. To reboot the switch, press and hold the button for 1 to 5 seconds. To restore the switch to the factory defaults and reboot it, press and hold the reset button for more than 5 seconds.

3 Removable components and compatibility matrixes

The switch supports removable components. Table3-1 describes the removable components available for the switch.

Table3-1 Compatibility matrix between switches and removable components

FRU model	S6526XE-32X6CC-HI S6526XE-48X6CC-HI	S6526XE-32X4CC-EI S6526XE-48X4CC-EI
Removable power supplies		
PSR450-12D	Supported	
PSR450-12A	Supported	
PSR450-12A1	Supported	
Removable fan trays		
LSPM1FANSA-SN	Supported	
LSPM1FANSB-SN	Supported	
Expansion cards		
LSPM6FWD	Supported	
LSWM4SP8PM	Supported	
LSWM2SP8P	Supported	
LSWM2QP2P	Supported	
LSWM2ZSP8P	Supported	
LSWM2ZQP2P	Supported	
LSWM2XMGT4PM	Supported	

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 supply you have installed on the switch.

You can install one power supply, or two power supplies for 1+1 redundancy on the switch.

The switch uses removable fan trays. Do not power on the switch if it is not fully configured with fan trays of the same model.

To install two expansion cards on an S6526XE-EI switch, make sure one of the two expansion cards is an LSWM2QP2P, LSWM2ZQP2P, or LSPM6FWD.

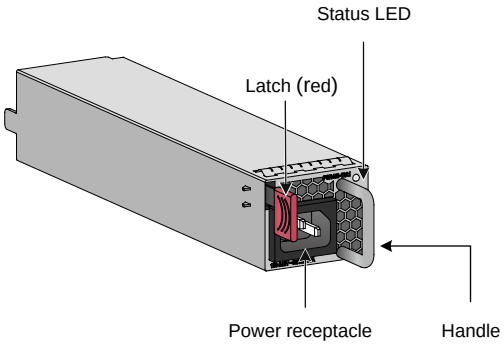
The expansion cards (except for the LSWM2XMGT4PM and LSWM2SP8PM) support hot swapping. Do not install or remove an expansion card during the startup of the switch.

4 Removable power supplies

450W power supplies (PSR450-12A and PSR450-12A1)

View

Figure4-1 PSR450-12A1 AC power supply view



The views of the PSR450-12A and PSR450-12A1 AC power supplies are similar, with only differences in the latch color and identifier.

LEDs

For information about the status LED, see "Power status LED."

Features

PSR450-12A and PSR450-12A1 are AC power supplies with AC or HVDC input and DC output. Table4-1 describes the features provided by the PSR450-12A and PSR450-12A1 power supplies.

Table4-1 Features provided by the PSR450-12A and PSR450-12A1 power supplies

Feature	Description
Protection function	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 correctly.

Technical specifications

Table4-2 Technical specifications

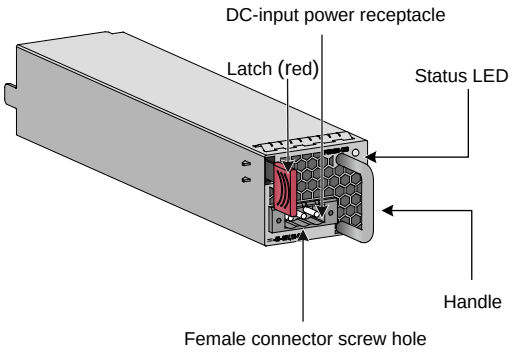
Item	Specification
Dimensions (H × W × D)	40.2 × 50.5 × 246 mm (1.58 × 1.99 × 9.69 in), including the handle
Weight	0.7 kg (1.54 lb)
Rated AC input voltage range	AC input: 100 to 240 VAC @ 50 or 60 Hz

Item	Specification
	HVDC input: 240 VDC
Max AC input voltage range	AC input: 90 to 290 VAC @ 47 to 63 Hz HVDC input: 180 to 320 VDC
Rated input current	AC input: 6 A HVDC input: 3 A
Rated output current	AC input: 37.5 A HVDC input: 2 A
Rated output voltage	AC input: 12 V HVDC input: 3.3 V
Rated output power	450 W
Melting current of power supply fuse	15 A/250 V

450W DC power supply (PSR450-12D)

View

Figure4-2 PSR450-12D DC power supply view



LEDs

For information about the status LED, see "Power status LED."

Features

PSR450-12D is a DC power supply with DC input and DC output. Table4-3 describes the features provided by the PSR450-12D power supply.

Table4-3 Features provided by the PSR450-12D power supply

Feature	Description
Protection function	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 correctly.

Technical specifications

Table4-4 Technical specifications

Item	Specification
Dimensions (H × W × D)	40.2 × 50.5 × 246 mm (1.58 × 1.99 × 9.69 in), including the handle
Weight	0.7 kg (1.54 lb)
Rated DC input voltage range	–48 to –60 VDC
Max DC input voltage range	–36 to –72 VDC
Rated input current	10 A to 12 A
Rated output current	2 A to 37.5 A
Rated output voltage	3.3 V to 12 V
Rated output power	450 W
Melting current of power supply fuse	15 A/250 V

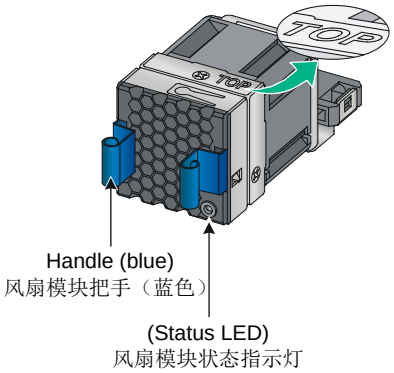
5 Removable fan trays

Removable fan trays available for the S6526XE-HI switch series

LSPM1FANSA-SN

View

Figure5-1 LSPM1FANSA-SN fan tray view



LEDs

For information about the status LED, see "Fan tray status LED on a fan tray."

Features

The LSPM1FANSA-SN fan tray blows air from the power supply side to the port side. The fan tray features small size, fast heat dissipation, and hot swapping. It can automatically adjust the fan speed, providing powerful heat dissipation for the switch.

Technical specifications

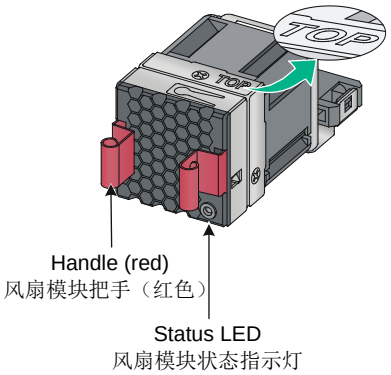
Table5-1 Technical specifications

Item	Specification
Dimensions (H × W × D)	40 × 40.6 × 105 mm (1.57 × 1.60 × 4.13 in), including the handle
Fan quantity	1
Weight	N/A
Airflow direction	Air drawn in from the fan tray faceplate
Fan speed	20000 R.P.M
Max airflow	20 CFM (0.57 m^3/min)
Input voltage	12 V
Max power consumption	9.8 W

LSPM1FANSB-SN

View

Figure5-2 LSPM1FANSB-SN fan tray view



LEDs

For information about the status LED, see "Fan tray status LED on a fan tray."

Features

The LSPM1FANSB-SN fan tray draws air from the port side to the power supply side. The fan tray features small size, fast heat dissipation, and hot swapping. It can automatically adjust the fan speed, providing powerful heat dissipation for the switch.

Technical specifications

Table5-2 Technical specifications

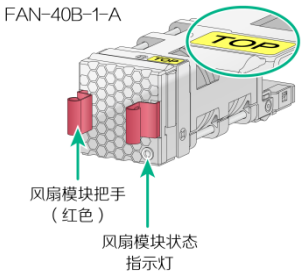
Item	Specification
Dimensions (H × W × D)	40 × 40.6 × 105 mm (1.57 × 1.60 × 4.13 in), including the handle
Fan quantity	1
Weight	N/A
Airflow direction	Air exhausted from the fan tray faceplate
Fan speed	20000 R.P.M
Max airflow	20 CFM (0.57 m^3/min)
Input voltage	12 V
Max power consumption	9.8 W

Removable fan trays available for the S6526XE-EI switch series

FAN-40B-1-A

View

Figure5-3 FAN-40B-1-A fan tray view



LEDs

For information about the status LED, see "Fan tray status LED on a fan tray."

Features

The FAN-40B-1-A fan tray blows air from the power supply side to the port side. The fan tray features small size, fast heat dissipation, and hot swapping. It can automatically adjust the fan speed, providing powerful heat dissipation for the switch.

Technical specifications

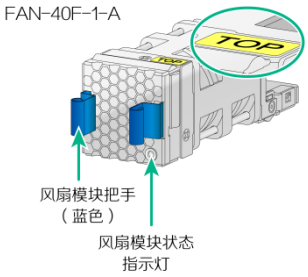
Table5-3 Technical specifications

Item	Specification
Dimensions (H × W × D)	40.6 × 40 × 117 mm (1.60 × 1.57 × 4.61 in), including the handle
Fan quantity	1
Weight	N/A
Airflow direction	Air drawn in from the fan tray faceplate
Fan speed	21000 R.P.M
Max airflow	26 CFM (0.74 m^3/min)
Input voltage	12 V
Max power consumption	27.72 W

FAN-40F-1-A

View

Figure5-4 FAN-40F-1-A fan tray view



LEDs

For information about the status LED, see "Fan tray status LED on a fan tray."

Features

The FAN-40F-1-A fan tray draws air from the port side to the power supply side. The fan tray features small size, fast heat dissipation, and hot swapping. It can automatically adjust the fan speed, providing powerful heat dissipation for the switch.

Technical specifications

Table5-4 Technical specifications

Item	Specification
Dimensions (H × W × D)	40.6 × 40 × 117 mm (1.60 × 1.57 × 4.61 in), including the handle
Fan quantity	1
Weight	N/A
Airflow direction	Air exhausted from the fan tray faceplate
Fan speed	21000 R.P.M
Max airflow	26 CFM (0.74 m^3/min)
Input voltage	12 V
Max power consumption	27.72 W

6 Expansion cards

CAUTION:

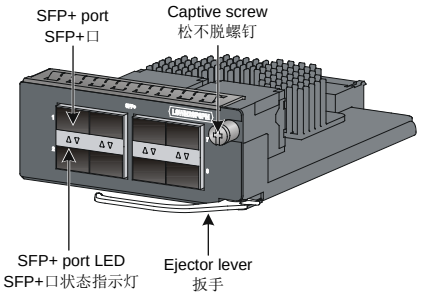
Do not hot swap the LSWM2XMGT4PM and LSWM2SP8PM expansion cards.

LSWM2SP8P/LSWM2SP8PM

About LSWM2SP8P and LSWM2SP8PM

The LSWM2SP8PM and LSWM2SP8P interface cards each provide eight SFP+ ports. The SFP+ ports on the LSWM2SP8PM interface card support MACsec. The views of LSWM2SP8P and LSWM2SP8PM are the same. This figure uses the LSWM2SP8PM as an example.

Figure6-1 LSWM2SP8PM interface card view



Ports and LEDs

For information about the ports and transceiver modules and cables available for the ports, see "SFP+ port."

For information about the LEDs, see "SFP+ port LED."

Technical specifications

Table6-1 Technical specifications

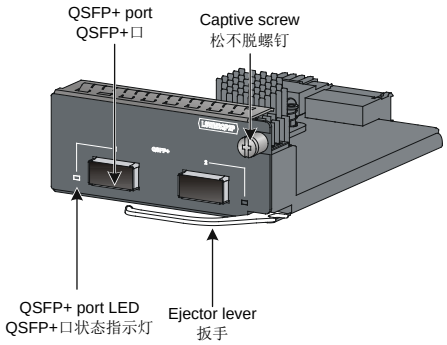
Item	Specification	
Product code	LSWM2SP8P	LSWM2SP8PM
Dimensions (H × W × D)	40.1 × 95 × 147.5 mm (1.58 × 3.74 × 5.81 in)	40.1 × 95 × 147.5 mm (1.58 × 3.74 × 5.81 in)
Weight	0.4 kg (0.88 lb)	0.688 kg (1.52 lb)
Power consumption (static)	9 W	N/A
Power consumption (typical)	10 W	N/A
Power consumption (full load)	14 W	50 W

LSWM2QP2P

About LSWM2QP2P

The LSWM2QP2P interface module provides two QSFP+ ports.

Figure6-2 LSWM2QP2P interface module view



Ports and LEDs

For information about the ports and transceiver modules and cables available for the ports, see "QSFP+ port."

For information about the LEDs, see "QSFP+ port LED."

Technical specifications

Table6-2 Technical specifications

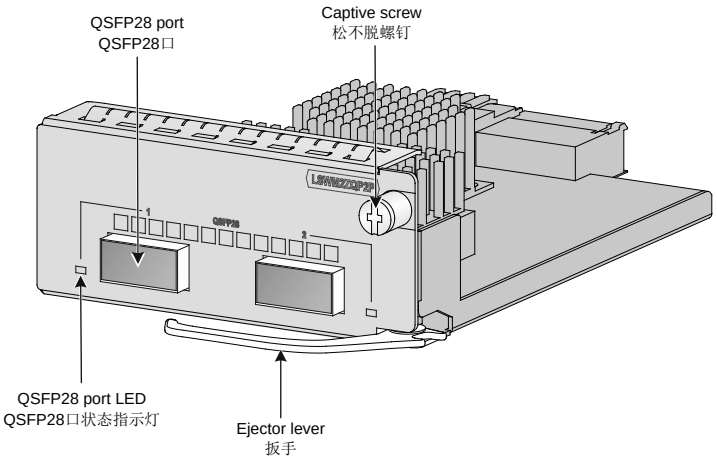
Item	Specification
Dimensions (H × W × D)	40.1 × 95 × 147.5 mm (1.58 × 3.74 × 5.81 in)
Weight	0.4 kg (0.88 lb)
Power consumption (static)	9 W
Power consumption (typical)	10 W
Power consumption (full load)	14 W

LSWM2ZQP2P

About LSWM2ZQP2P

The LSWM2ZQP2P interface module provides two QSFP28 ports.

Figure6-3 LSWM2ZQP2P interface module view



Ports and LEDs

For information about the ports and transceiver modules and cables available for the ports, see "QSFP28 ports."

For information about the LEDs, see "QSFP28 port LED."

LSWM2ZSP8P

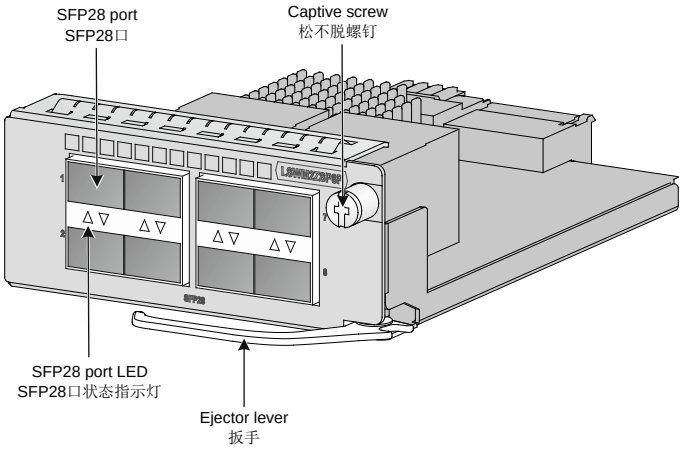
About LSWM2ZSP8P

The LSWM2ZSP8P interface module provides eight SFP28 ports.

NOTE:

- Ports 1, 2, 3, and 4 of the expansion card have the same transmission rate, as do ports 5, 6, 7, and 8.
- If you do not configure speed autonegotiation for a port, the actual port transmission rate depends on the setting of the **speed** command. For more information about the **speed** command, see the command reference for the switch.

Figure6-4 LSWM2ZSP8P interface module view



Ports and LEDs

For information about the ports and transceiver modules and cables available for the ports, see "SFP28 port."

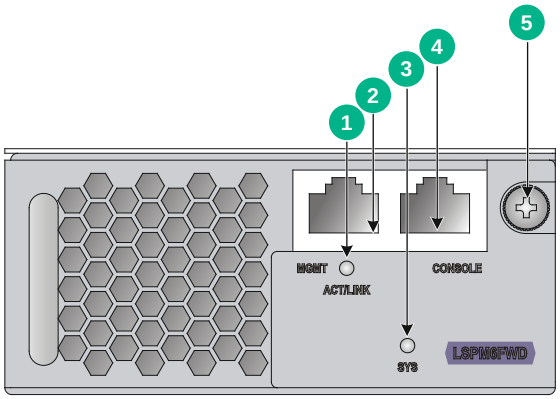
For information about the LEDs, see "SFP28 port LED."

LSPM6FWD

About LSPM6FWD

The LSPM6FWD is a fourth-generation high performance firewall module. It provides features including firewall, VPN, content filtering, content identification, URL filtering, and NAT. By using this module on a switch, you can enhance the switch security capabilities without changing the network topology.

Figure6-5 LSPM6FWD front panel



(1) Management Ethernet port LED (ACT/LINK)	(2) 10/100/1000BASE-T management Ethernet port
(3) System status LED (SYS)	(4) Console port (CONSOLE)
(5) Captive screw	

Ports and LEDs

For information about the ports and transceiver modules and cables available for the ports, see "Console port specifications (2)." and "Management Ethernet port specifications."

For information about the LEDs, see "LEDs on an LSPM6FWD firewall module."

Technical specifications

Table6-3 Technical specifications

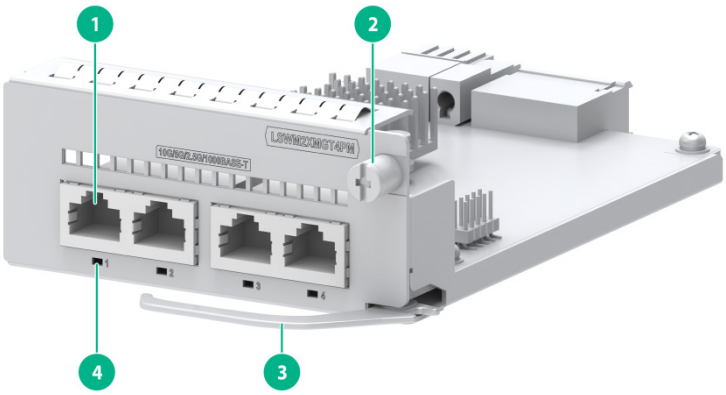
Item	Specification
Dimensions (H × W × D)	44.1 × 95 × 197.8 mm (1.74 × 3.74 × 7.79 in)
Weight	0.688 kg (1.52 lb)
Power consumption (static)	N/A
Power consumption (typical)	N/A
Power consumption (full load)	50 W

LSWM2XMGT4PM

About LSWM2XMGT4PM

The LSWM2XMGT4PM interface module provides four 10G/5G/2.5G/1000BASE-T autosensing Ethernet ports that support MACsec.

Figure6-6 LSWM2XMGT4PM interface module view



(1) 10G/5G/2.5G/1000BASE-T Ethernet port	(2) Captive screw
(3) Ejector lever	(4) Ethernet port LED

Ports and LEDs

For information about the ports and transceiver modules and cables available for the ports, see "10G/5G/2.5G/1G autosensing Ethernet port."

For information about the LEDs, see "10G/5G/2.5G/1000BASE-T LEDs on an LSWM2XMGT4PM."

Technical specifications

Table6-4 Technical specifications

Item	Specification
Dimensions (H × W × D)	40.1 × 95 × 147.5 mm (1.58 × 3.74 × 5.81 in)
Weight	≤ 0.29 kg (0.64 lb)
Power consumption (static)	N/A
Power consumption (typical)	13 W
Power consumption (full load)	15 W

7 Ports and LEDs

Ports

Console port

Table7-1 Console port specifications (1)

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

Table7-2 Console port specifications (2)

Item	Specification
Connector type	RJ-45
Compliant standard	RS-232
Port transmission rate	9600 bps (default) to 115200 bps
Transmission medium and max transmission distance	≤ 15 m (49.21 ft) over a common asynchronous serial interface cable
Services	• Provides connection to an ASCII terminal • Provides connection to the serial port of a local PC running terminal emulation program • Supports command line interface (CLI)
Compatible devices	LSPM6FWD

Table7-3 Type-C USB console port specifications

Item	Specification
Connector type	USB Type-C
Compliant standard	USB2.0
Port transmission rate	9600 bps (default) to 115200 bps
Services	• Provides connection to an ASCII terminal • Provides connection to the serial port of a local PC running terminal emulation program
Compatible devices	All device models

Management Ethernet port

Table7-4 Management Ethernet port specifications

Item	Specification
Connector type	RJ-45
Rate, duplex mode, and auto-MDI/MDI-X	• 10 Mbps, half/full duplex • 100 Mbps, half/full duplex • 1000 Mbps, full duplex • MDI/MDI-X autosensing
Transmission medium	Category-5 or above twisted pair cable
Max transmission distance	100 m (328.08 ft)
Compliant standard	IEEE 802.3i, 802.3u, and 802.3ab
Functions and services	Used for upgrading and managing applications and Boot ROM
Compatible devices	All device models

USB port

Table7-5 USB port specifications

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

NOTE:

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

10G/5G/2.5G/1G autosensing Ethernet port

Table7-6 10G/5G/2.5G/1G autosensing Ethernet port specifications

Item	Specification
Connector type	RJ-45
Rate, duplex mode, and auto-MDI/MDI-X	• 10 Gbps, full duplex • 5 Gbps, full duplex • 2.5 Gbps, full duplex • 1 Gbps, full duplex • MDI/MDI-X autosensing

Item	Specification
Max transmission distance	10G mode: • 55 m (180.45 ft) over Category-5e twisted pair cable • 55 m (180.45 ft) over Category-6 unshielded twisted pair cable • 100 m (328.08 ft) over Category-6 or above shielded twisted pair cable 5G mode: 100 m (328.08 ft) over Category-5e or above twisted pair cable 2.5G mode: 200 m (656.17 ft) over Category-5e or above twisted pair cable 1G mode: 140 m (459.32 ft) over Category-5 or above twisted pair cable
Transmission medium	Category-5e or above twisted pair cable
Compliant standard	IEEE 802.3an and IEEE 802.3ab
Compatible devices	LSWM2XMGT4PM

SFP+ port

Table7-7 SFP+ port specifications

Item	Specification
Port type	SFP+ port
Compatible transceiver modules and cables	• GE SFP transceiver modules and cables in Table7-8 • 10GE SFP+ transceiver modules and cables in Table7-9, Table7-10, and Table7-11
Compatible devices	All device models, LSWM2SP8P, LSWM4SP8PM

Table7-8 GE SFP transceiver modules and cables available for the SFP+ ports

GE SFP transceiver module and cable	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (μm)	Modal bandwidth (MHz × km)	Max transmission distance
SFP copper transceiver modules					
SFP-GE-T	N/A	RJ-45	Twisted pair cable	N/A	100 m (328.08 ft)
SFP-GE-T-D	N/A	RJ-45	Twisted pair cable	N/A	100 m (328.08 ft)
SFP optical transceiver modules					
SFP-GE-SX-MM850-A	850	LC	Multi-mode, 50/125	500	550 m (1804.46 ft)
				400	500 m (1640.42 ft)
			Multi-mode, 62.5/125	200	275 m (902.23 ft)
				160	220 m (721.78 ft)
SFP-GE-SX-MM850-S	850	LC	Multi-mode, 50/125	500	550 m (1804.46 ft)
				400	500 m (1640.42 ft)

GE SFP transceiver module and cable	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (µm)	Modal bandwidth (MHz × km)	Max transmission distance
			Multi-mode, 62.5/125	200	275 m (902.23 ft)
				160	220 m (721.78 ft)
SFP-GE-SX-MM850-D	850	LC	Multi-mode, 50/125	500	550 m (1804.46 ft)
				400	500 m (1640.42 ft)
			Multi-mode, 62.5/125	200	275 m (902.23 ft)
				160	220 m (721.78 ft)
SFP-GE-LX-SM1310-A	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
			Multi-mode, 50/125	500 or 400	550 m (1804.46 ft)
			Multi-mode, 62.5/125	500	550 m (1804.46 ft)
SFP-GE-LX-SM1310-D	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1310-S	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1310-F	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX10-SM1310	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LH40-SM1310	1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-SM1310-D	1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-SM1310-S	1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-SM1550	1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH80-SM1550	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-GE-LH80-SM1550-D	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-GE-LH100-SM1550	1550	LC	Single-mode, 9/125	N/A	100 km (62.14 miles)
SFP-GE-LX-SM1310-BIDI	TX: 1310 RX: 1490	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1490-BIDI	TX: 1490 RX: 1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LH70-SM1490-BIDI	TX: 1490 RX: 1550	LC	Single-mode, 9/125	N/A	70 km (43.50 miles)
SFP-GE-LH70-	TX: 1550	LC	Single-mode,	N/A	70 km (43.50

GE SFP transceiver module and cable	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (μm)	Modal bandwidth (MHz × km)	Max transmission distance
SM1550-BIDI	RX: 1490		9/125		miles)
SFP-GE-LH40-SM1310-BIDI	TX: 1310 RX: 1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LH40-SM1550-BIDI	TX: 1550 RX: 1310	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-GE-LX-SM1310-BIDI-S	TX: 1310 RX: 1490	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-GE-LX-SM1490-BIDI-S	TX: 1490 RX: 1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP copper cable					
SFP-STACK-Kit	N/A	N/A	SFP cable	N/A	1.5 m (4.92 ft)
SFP-STACK-Kit-S	N/A	N/A	SFP 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 transceiver modules.
- SFP-GE-LH70-SM1490-BIDI and SFP-GE-LH70-SM1550-BIDI transceiver modules.
- SFP-GE-LH40-SM1310-BIDI and SFP-GE-LH40-SM1550-BIDI transceiver modules.
- SFP-GE-LX-SM1310-BIDI-S and SFP-GE-LX-SM1490-BIDI-S transceiver modules.

For example, if one end uses the SFP-GE-LX-SM1310-BIDI transceiver module, the other end must use the SFP-GE-LX-SM1490-BIDI transceiver module.

Table7-9 10GE SFP+ transceiver modules available for the SFP+ ports

10GE SFP+ transceiver module	Central wavelength (nm)	Connector	Fiber diameter (μm)	Modal bandwidth (MHz × km)	Max transmission distance
SFP-XG-SX-MM850-A	850	LC	Multi-mode, 50/125	2000	300 m (984.25 ft)
				500	82 m (269.03 ft)
				400	66 m (216.54 ft)
			Multi-mode, 62.5/125	200	33 m (108.27 ft)
				160	26 m (85.30 ft)
SFP-XG-SX-MM850-E	850	LC	Multi-mode, 50/125	2000	300 m (984.25 ft)
				500	82 m (269.03 ft)
				400	66 m (216.54 ft)
			Multi-mode, 62.5/125	200	33 m (108.27 ft)
				160	26 m (85.30 ft)
SFP-XG-SX-M	850	LC	Multi-mode,	2000	300 m (984.25 ft)

10GE SFP+ transceiver module	Central wavelength (nm)	Connector	Fiber diameter (μm)	Modal bandwidth (MHz × km)	Max transmission distance
				500	82 m (269.03 ft)
				400	66 m (216.54 ft)
			Multi-mode, 62.5/125	200	33 m (108.27 ft)
				160	26 m (85.30 ft)
SFP-XG-SX-MM850-S	850	LC	Multi-mode, 50/125	2000	300 m (984.25 ft)
				500	82 m (269.03 ft)
				400	66 m (216.54 ft)
			Multi-mode, 62.5/125	200	33 m (108.27 ft)
				160	26 m (85.30 ft)
SFP-XG-LX-SM1310	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1310-E	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1310-D	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1310-S	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1310-F	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-CPRI-IR-SM1310	1310	LC	Single-mode, 9/125	N/A	1.4 km (0.87 miles)
SFP-XG-CPRI-LR-SM1310	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LH40-SM1550	1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-XG-LH40-SM1550-D	1550	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
SFP-XG-LH80-SM1550	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-XG-LH80-SM1550-D	1550	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)
SFP-XG-LX-SM1270-BIDI	TX: 1270 RX: 1330	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1330-BIDI	TX: 1330 RX: 1270	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1270-BIDI-S	TX: 1270 RX: 1330	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LX-SM1330-BIDI-S	TX: 1330 RX: 1270	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-XG-LH40-SM1270-BIDI	TX: 1270 RX: 1330	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)

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

IMPORTANT:

The following transceiver modules must be used in pairs:

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

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

Table7-10 SFP+ copper cables available for the SFP+ ports

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

Table7-11 SFP+ fiber cables available for the SFP+ ports

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

Figure7-1 SFP+ cable

(1) Connector	(2) Pull latch

NOTE:

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

SFP28 port

Table7-12 SFP28 port specifications

Item	Specification
Port type	SFP28 port
Compatible transceiver modules and cables	• SFP28 transceiver modules and cables in Table7-13 and Table7-14 • 10GE SFP+ transceiver modules and cables in Table7-9, Table7-10, and Table7-11
Compatible devices	LSWM2ZSP8P

Table7-13 SFP28 transceiver modules available for the SFP28 ports

SFP28 transceiver module	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (μm)	Modal bandwidth (MHz × km)	Max transmission distance
SFP-25G-LR-SM1310	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-25G-SR-MM850	850	LC	Multi-mode, 50/125	2000	70 m (229.66 ft)
				4700	100 m (328.08 ft)
SFP-25G-LR-SM1310-I	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
SFP-25G-LR-SM1310-F	1310	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)

SFP28 transceiver module	Central wavelength (nm)	Connector	Cable/Fiber type and diameter (μm)	Modal bandwidth (MHz × km)	Max transmission distance
SFP-25G-CSR-MM850	850	MMF	Multi-mode, 50/125	2000	200 m (656.17 ft)
				> 3500	300 m (984.25 ft)
				> 5500	400 m (1312.34 ft)

Table7-14 SFP28 cables available for the SFP28 ports

SFP28 cable	Cable length
SFP-25G-D-CAB-1M	1 m (3.28 ft)
SFP-25G-D-CAB-3M	3 m (9.84 ft)
SFP-25G-D-CAB-5M	5 m (16.40 ft)
SFP-25G-D-AOC-3M	3 m (9.84 ft)
SFP-25G-D-AOC-5M	5 m (16.40 ft)
SFP-25G-D-CAB-5M-A	5 m (16.40 ft)
SFP-25G-D-AOC-7M	7 m (22.97 ft)
SFP-25G-D-AOC-10M	10 m (32.81 ft)
SFP-25G-D-AOC-20M	20 m (65.62 ft)

Figure7-2 SFP28 cable

(1) Connector (2) Pull latch

NOTE:

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

QSFP+ port

Table7-15 QSFP+ port specifications

Item	Specification
Port type	QSFP+ port
Compatible transceiver modules and cables	QSFP+ transceiver modules and cables in Table7-16, Table7-17, and Table7-18
Compatible devices	LSWM2QP2P

NOTE:

You can use a QSFP-40G-SR4-MM850 or QSFP-40G-CSR4-MM850 transceiver module to connect one 40G port to four 10G ports. The QSFP+ transceiver module and SFP+ transceiver modules to be connected must be the same in specifications, including central wavelength and fiber type.

Table7-16 40G QSFP+ transceiver modules available for the QSFP+ ports

QSFP+ transceiver module	Central wavelength (nm)	Connector	Fiber type and diameter (μm)	Modal bandwidth (MHz × km)	Max transmission distance
QSFP-40G-SR4-MM850	850	MPO (PC end, 12 cores)	Multi-mode, 50/125	2000	100 m (328.08 ft)
				4700	150 m (492.13 ft)
QSFP-40G-CSR4-MM850	850	MPO (PC end, 12 cores)	Multi-mode, 50/125	2000	300 m (984.25 ft)
				4700	400 m (1312.34 ft)
QSFP-40G-BIDI-SR-MM850	850	LC	Multi-mode, 50/125	2000	100 m (328.08 ft)
				4700	150 m (492.13 ft)
QSFP-40G-BIDI-WDM850	Four lanes: • 850 • 880 • 910 • 940	LC	Multi-mode, 50/125	2000	240 m (787.40 ft)
				4700	350 m (1148.29 ft)
QSFP-40G-LR4-WDM1300	Four lanes: • 1271 • 1291 • 1311 • 1331	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
QSFP-40G-LX4-WDM1300	Four lanes: • 1271 • 1291 • 1311 • 1331	LC	Multi-mode, 50/125	2000	150 m (492.13 ft)
				4700	
QSFP-40G-ER4-WDM1300	Four lanes: • 1271 • 1291 • 1311	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)

QSFP+ transceiver module	Central wavelength (nm)	Connector	Fiber type and diameter (μm)	Modal bandwidth (MHz × km)	Max transmission distance
	• 1331				
QSFP-40G-LR 4L-WDM1300	Four lanes: • 1271 • 1291 • 1311 • 1331	LC	Single-mode, 9/125	N/A	2 km (1.24 miles)

Table7-17 40G QSFP+ copper cables available for the QSFP+ ports

QSFP+ copper cable	Max transmission distance
LSWM1QSTK0	1 m (3.28 ft)
LSWM1QSTK1	3 m (9.84 ft)
LSWM1QSTK2	5 m (16.40 ft)

Table7-18 40G QSFP+ fiber cables available for the QSFP+ ports

QSFP+ fiber cable	Max transmission distance
QSFP-40G-D-AOC-3M	3 m (9.84 ft)
QSFP-40G-D-AOC-7M	7 m (22.97 ft)
QSFP-40G-D-AOC-20M	20 m (65.62 ft)

NOTE:

MPO connectors include physical contact (PC) connectors with a flat-polished face and angle-polished contact (APC) connectors with an angle-polished face (8°).

QSFP28 ports

Table7-19 QSFP28 port specifications

Item	Specification
Port type	QSFP28 port
Compatible transceiver modules and cables	• QSFP28 transceiver modules and cables in Table7-20, Table7-21, and Table7-22 • QSFP+ transceiver modules and cables in Table7-16, Table7-17, and Table7-18
Compatible devices	All device models
Restrictions and guidelines	On an S6526XE-48X6CC-HI switch with no expansion card installed, up to two ports each can be split into four breakout interfaces. You can select one port from each option: • Port 49, 50, or 51 on the switch. • Port 52, 53, or 54 on the switch. On an S6526XE-48X4CC-EI switch with no expansion card installed, ports 49, 50, 51, and 52 on the switch each can be split into four breakout interfaces.

NOTE:

You can use a QSFP-100G-SR4-MM850 transceiver module to connect one 100G port to four 25G ports. The QSFP+ transceiver module and SFP28 transceiver modules to be connected must be the same in specifications, including central wavelength and fiber type.

Table7-20 100G QSFP28 transceiver modules available for the QSFP28 ports

QSFP28 transceiver module	Central wavelength (nm)	Connector	Fiber type and diameter (μm)	Modal bandwidth (MHz*km)	Maximum transmission distance
QSFP-100G-SR4-MM850	850	MPO (PC end, 12 cores)	Multi-mode, 50/125	2000	70 m (229.66 ft)
				4700	100 m (328.08 ft)
QSFP-100G-eSR4-MM850	850	LC	Multi-mode, 50/125	4700	300 m (984.25 ft)
QSFP-100G-SWDM4-MM850	Four lanes: • 850 • 880 • 910 • 940	LC	Multi-mode, 50/125	2000	75 m (246.06 ft)
				4700	100 m (328.08 ft)
QSFP-100G-LR4-WDM1300	Four lanes: • 1295 • 1300 • 1304 • 1309	LC	Single-mode, 9/125	N/A	10 km (6.21 miles)
QSFP-100G-LR4L-WDM1300	Four lanes: • 1271 • 1291 • 1311 • 1331	LC	Single-mode, 9/125	N/A	2 km (1.24 miles)
QSFP-100G-CWDM4-SM1300-A	Four lanes: • 1271 • 1291 • 1311 • 1331	LC	Single-mode, 9/125	N/A	2 km (1.24 miles)
QSFP-100G-ER4L-WDM1300	Four lanes: • 1295.56 • 1300.05 • 1304.58 • 1309.14	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
QSFP-100G-ER4-WDM1300	Four lanes: • 1295.56 • 1300.05 • 1304.58 • 1309.14	LC	Single-mode, 9/125	N/A	40 km (24.86 miles)
QSFP-100G-ZR4-WDM1300	Four lanes: • 1295.56 • 1300.05	LC	Single-mode, 9/125	N/A	80 km (49.71 miles)

QSFP28 transceiver module	Central wavelength (nm)	Connector	Fiber type and diameter (μm)	Modal bandwidth (MHz*km)	Maximum transmission distance
	• 1304.58 • 1309.14				
QSFP-100G-FR1-SM1310	1310	LC	Single-mode, 9/125	N/A	2 km (1.24 miles)

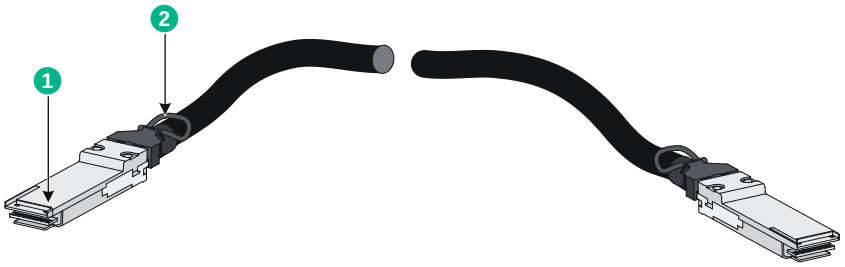
Table7-21 100G QSFP28 copper cables available for the QSFP28 ports

QSFP28 fiber cable	Cable length
QSFP-100G-D-CAB-1M	1 m (3.28 ft)
QSFP-100G-D-CAB-3M	3 m (9.84 ft)
QSFP-100G-D-CAB-5M	5 m (16.40 ft)

Table7-22 100G QSFP28 fiber cables available for the QSFP28 ports

QSFP28 copper cable	Cable length
QSFP-100G-D-AOC-10M	10 m (32.81 ft)
QSFP-100G-D-AOC-20M	20 m (65.62 ft)

Figure7-3 100G QSFP28 copper cable



(1) Connector (2) Pull tab

NOTE:

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

Ports on an LSPM6FWD firewall module

Table7-23 Console port specifications

Item	Specification
Connector type	RJ-45

Item	Specification
Compliant standard	RS-232
Port transmission rate	9600 bps (default) to 115200 bps
Transmission medium and max transmission distance	≤ 15 m (49.21 ft) over a common asynchronous serial interface cable
Services	• Provides connection to an ASCII terminal • Provides connection to the serial port of a local PC running terminal emulation program • Supports CLI

LEDs

System status LED

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

Table7-24 System status LED description

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

Power status LED

The two power status LEDs show the operating status of a power supply.

Table7-25 Power status LED description

LED status	Description
Steady green	The power supply is operating correctly and is in primary state.
Flashing green	The power supply is operating correctly and is in standby state.
Steady red	The power supply is faulty or has entered a protection state.
Alternating between red and green	One of the following power supply conditions is present but the power supply has not entered a protection state: output overvoltage, output undervoltage, output overcurrent, output power overload, or overtemperature.
Flashing red	The current power supply does not have power input. If a device has two power supplies, one of which has power input but the other does not, the LED on the power supply without power input flashes red.
Off	No power input.

Management Ethernet port LED

Table7-26 Management Ethernet port LED description

LED mark	Status	Description
LINK	Off	No link is present on the port.
	Steady green	The port is operating at 10/100/1000 Mbps.
ACT	Off	The port is not sending or receiving data.
	Flashing yellow	The port is sending or receiving data.

SFP+ port LED

Table7-27 SFP+ port LED description

LED status	Description
Steady green	A module has been installed and the port is operating at 10 Gbps.
Flashing green	The port is sending or receiving data at 10 Gbps.
Steady yellow	A module has been installed and the port is operating at 1 Gbps.
Flashing yellow	The port is sending or receiving data at 1 Gbps.
Off	No module has been installed or no link is present on the port.

SFP28 port LED

Table7-28 SFP28 port LED description

LED status	Description
Steady green	The port is operating at 25 Gbps.
Flashing green	The port is sending or receiving data at 25 Gbps.
Steady yellow	The port is operating at 10 Gbps.
Flashing yellow	The port is sending or receiving data at 10 Gbps.
Off	No module has been installed or no link is present on the port.

QSFP+ port LED

Table7-29 QSFP+ port LED description

LED status	Description
Steady green	A module has been installed and the port is operating at 40 Gbps.
Flashing green	The port is sending or receiving data at 40 Gbps.
Steady yellow	A module has been installed and the port is operating at 10 Gbps.
Flashing yellow	The port is sending or receiving data at 10 Gbps.

LED status	Description
Off	No module has been installed or no link is present on the port.

QSFP28 port LED

Table7-30 QSFP28 port LED description

LED status	Description
Steady green	A module has been installed and the port is operating at 100 Gbps.
Flashing green	The port is sending or receiving data at 100 Gbps.
Steady yellow	A module has been installed and the port is operating at 40 Gbps.
Flashing yellow	The port is sending or receiving data at 40 Gbps, 25 Gbps or 10 Gbps.
Off	No module has been installed or no link is present on the port.

Expansion card status LED

The switch provides expansion slots at the rear. The expansion card status LED on the front panel indicates the operating status of the expansion card.

Table7-31 Expansion card status LED description

LED mark	Status	Description
SLOT	Steady green	The expansion card is operating correctly.
	Flashing yellow	The switch does not support the expansion card model, or the expansion card is faulty.
	Off	The expansion slot is empty.

Fan tray status LED on a fan tray

The LSPM1FANSA-SN and LSPM1FANSB-SN fan trays each have a LED to indicate the fan tray operating status.

Table7-32 Description for the status LED on the LSPM1FANSA-SN or LSPM1FANSB-SN fan tray

LED mark	Status	Description
FAN	On	The fan tray is faulty.
	Off	The fan tray is operating correctly.

The FAN-40B-1-A and FAN-40F-1-A fan trays each have a LED to indicate the fan tray operating status.

Table7-33 Description for the status LED on the FAN-40B-1-A or FAN-40F-1-A fan tray

LED mark	Status	Description
FAN	Steady yellow	The fan tray is operating correctly.

LED mark	Status	Description
	Flashing	The fan tray is operating incorrectly.
	Off	The fan tray is not securely installed or has no power input.

LEDs on an LSPM6FWD firewall module

Table7-34 Description for the LEDs on an LSPM6FWD firewall module

LED	Mark	Status	Description
Management Ethernet port LED	ACT/LINK	Off	No link is present on the port.
		Steady green	A link is present on the port.
		Flashing green	The port is sending or receiving data.
System status LED	SYS	Off	No power is input or the firewall module has failed.
		Slowly flashing green	The system has started up and is operating correctly.
		Fast flashing green	The system is loading software.

10G/5G/2.5G/1000BASE-T LEDs on an LSWM2XMGT4PM

Table7-35 Description for the 10G/5G/2.5G/1000BASE-T LEDs on an LSWM2XMGT4PM

LED status	Description
Steady green	The port is operating at 10 Gbps.
Flashing green	The port is sending or receiving data at 10 Gbps.
Steady yellow	The port is operating at 1 Gbps, 2.5 Gbps, or 5 Gbps.
Flashing yellow	The port is sending or receiving data at 1 Gbps, 2.5 Gbps, or 5 Gbps.
Off	No link is present on the port.

8 Cooling system

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

The switch uses removable fan trays and provides airflow from the port side to the power supply side or from the power supply side to the port side by using different types of fan trays. You must fully configure the switch with fan trays of the same model. Table8-1 describes the fan trays available for the switch.

Table8-1 Fan trays available for the switch

Switch model	Fan tray model	Airflow direction
S6526XE-32X6CC-HI S6526XE-48X6CC-HI	LSPM1FANSA-SN	From the power supply side to the port side
	LSPM1FANSB-SN	From the port side to the power supply side
S6526XE-32X4CC-EI S6526XE-48X4CC-EI	FAN-40F-1-A	From the power supply side to the port side
	FAN-40B-1-A	From the port side to the power supply side

Figure8-1 Airflow direction for LSPM1FANSA-SN or FAN-40F-1-A

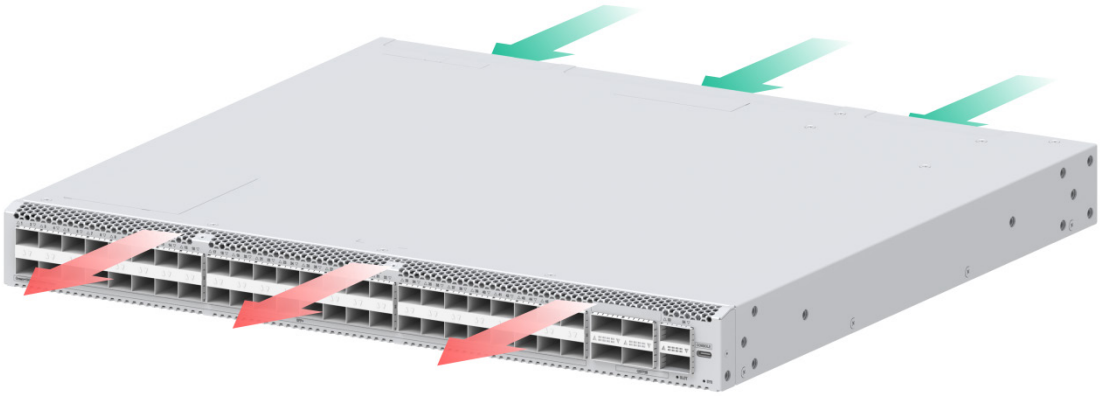


Figure8-2 Airflow direction for LSPM1FANSB-SN or FAN-40B-1-A