

# H3C S1600V2 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

H3C S1600V2 Switch Series Hardware Information and Specifications describes product models, technical specifications, ports, and LEDs of the S1600V2 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
<b>Boldface</b>	<b>Bold</b> 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
<b>Boldface</b>	Window names, button names, field names, and menu items are in Boldface. For example, the <b>New User</b> window opens; click <b>OK</b> .
>	Multi-level menus are separated by angle brackets. For example, <b>File &gt; Create &gt; Folder</b> .

## Symbols

Convention	Description
 <b>WARNING!</b>	An alert that calls attention to important information that if not understood or followed can result in personal injury.
 <b>CAUTION:</b>	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.
 <b>IMPORTANT:</b>	An alert that calls attention to essential information.
<b>NOTE:</b>	An alert that contains additional or supplementary information.
 <b>TIP:</b>	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](mailto:info@h3c.com).

We appreciate your comments.

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# Product models and technical specifications

## Product models

**Table 1 Product models**

Product series		Product codes	Product models
S1600V2 series	Non-PoE models	LS-1600V2-6P-GL	S1600V2-6P
		LS-1600V2-10P-GL	S1600V2-10P
		LS-1600V2-18P-GL	S1600V2-18P
		LS-1600V2-26P-GL	S1600V2-26P
	PoE models	LS-1600V2-6P-HPWR-GL	S1600V2-6P-HPWR
		LS-1600V2-10P-HPWR-GL	S1600V2-10P-HPWR
		LS-1600V2-18P-HPWR-GL	S1600V2-18P-HPWR
		LS-1600V2-26P-HPWR-GL	S1600V2-26P-HPWR

**NOTE:**

- For product selection and purchasing, see the switch datasheet at: [https://www.h3c.com/en/Products\\_and\\_Solutions/InterConnect/Switches/](https://www.h3c.com/en/Products_and_Solutions/InterConnect/Switches/).
- For the compatibility between the product models and software versions, see the release notes.

## Technical specifications

### Non-PoE switch models

**Table 2 Product specifications (non-PoE models)**

Item	S1600V2-6P	S1600V2-10P	S1600V2-18P	S1600V2-26P
Physical specifications				
Dimensions (H × W × D)	27 × 130 × 124 mm (1.06 × 5.12 × 4.88 in)	27 × 185 × 125 mm (1.06 × 7.28 × 4.92 in)	44 × 440 × 160 mm (1.73 × 17.32 × 6.30 in)	44 × 440 × 160 mm (1.73 × 17.32 × 6.30 in)
Dimensions (including packaging) (H × W × D)	61 × 239 × 161 mm (2.40 × 9.41 × 6.34 in)	55 × 239 × 186 mm (2.17 × 9.41 × 7.32 in)	106 × 525 × 302 mm (4.17 × 20.67 × 11.89 in)	106 × 525 × 302 mm (4.17 × 20.67 × 11.89 in)
Weight	≤ 0.6 kg (1.32 lb)	≤ 0.6 kg (1.32 lb)	≤ 2.1 kg (4.63 lb)	≤ 2.2 kg (4.85 lb)
Technical specifications				
Memory (RAM)	N/A	N/A	N/A	N/A
Flash	4 MB	4 MB	4 MB	4 MB

Item	S1600V2-6P	S1600V2-10P	S1600V2-18P	S1600V2-26P
Interface type and quantity				
10/100/1000BASE-T auto-sensing Ethernet port	5	9	16	24
SFP	1	1	2	2
Power supply specifications				
Power input	Adapter input		AC input	
Power supply specifications	<ul style="list-style-type: none"> <li>Rated voltage range: 100V to 240V AC, 50/60Hz</li> <li>Maximum voltage range: 90V to 264V AC, 47 to 63Hz</li> </ul>		<ul style="list-style-type: none"> <li>Rated voltage range: 100V to 240V AC, 50/60Hz</li> <li>Maximum voltage range: 90V to 264V AC, 47 to 63Hz</li> </ul>	
Overall system power consumption				
Power consumption (static) Collection standard: No load	2 W	3 W	3.5 W	4.3 W
Power consumption (typical) Collection standard: Fully configured with power cables or network cables, 30% load	4 W	5 W	9.9 W	13.6 W
Power consumption (full load) Collection standard: fully configured with transceiver modules or network cables, 100% load	4 W	6 W	11.2 W	16 W
System thermal consumption				
Thermal consumption (static) Collection standard: No load	6.9 BTU/h	10.3 BTU/h	12 BTU/h	15 BTU/h
Thermal consumption (typical) Collection standard: Fully configured with power cables or network cables, 30% load	13.7 BTU/h	17.1 BTU/h	34 BTU/h	47 BTU/h



Item	S1600V2-6P	S1600V2-10P	S1600V2-18P	S1600V2-26P
Thermal consumption (full load) Collection standard: fully configured with transceiver modules or network cables, 100% load	13.7 BTU/h	20.5 BTU/h	39 BTU/h	55 BTU/h
Heat dissipation				
Cooling method	Fanless, passive cooling			
Reliability and availability				
Mean time between failure (MTBF) (year)	114.0041	100.7564	84.3551	84.3551
Mean time to repair (MTTR) (hour)	1			
Availability	99.9998999%	99.9998867%	99.9998647%	99.9998647%
Environment specifications				
Operating temperature	-5°C to +45°C (23°F to 113°F) <b>NOTE:</b> The maximum acceptable temperature decreases by 0.33°C (32.59°F) for every 100 m (328.08 ft) increase in altitude from 0 m (0 ft).			
Storage temperature	-40°C to +70°C (-40°F to +158°F)			
Relative humidity	5% RH to 95% RH, noncondensing			
Compliance				
Product compliance	<ul style="list-style-type: none"> <li>• Safety standards</li> <li>• EMC standards</li> <li>• Environmental and eco-friendly standards</li> </ul>			
Product lightning protection				
Connector lightning protection	N/A	N/A	6 KV	6 KV
Power lightning protection	N/A	N/A	6 KV	6 KV

## PoE switch models

**Table 3 Product specifications (PoE models) (1)**

Item	S1600V2-6P-HPWR	S1600V2-10P-HPWR
Physical specifications		
Dimensions (H x W x D)	27 x 130 x 124 mm (1.06 x 5.12 x 4.88 in)	27 x 185 x 125 mm (1.06 x 7.28 x 4.92 in)
Dimensions (including	73 x 228 x 222 mm (2.87 x 8.98 x	76 x 243 x 245 mm (2.99 x 9.57x 9.65

Item	S1600V2-6P-HPWR	S1600V2-10P-HPWR
packaging) (H x W x D)	8.74 in)	in)
Weight	≤ 0.5 kg (1.32 lb)	≤ 0.6 kg (1.32 lb)
Technical specifications		
Memory (RAM)	N/A	N/A
Flash	4 MB	4 MB
Interface type and quantity		
10/100/1000BASE-T auto-sensing Ethernet port	5 <b>NOTE:</b> Ports 1 to 4 support PoE.	9 <b>NOTE:</b> Ports 1 to 8 support PoE.
SFP port	1	1
Power supply specifications		
Power input	Adapter input terminal	
Power supply specifications	<ul style="list-style-type: none"> <li>Rated voltage range: 100V to 240V AC, 50/60Hz</li> <li>Maximum voltage range: 90V to 264V AC, 47 to 63Hz</li> </ul>	
PoE power capacity		
Maximum PoE power per port	30 W	30 W
Total PoE power	73 W	125 W
System power consumption		
Power consumption (static) Collection standard: No load	3 W	4 W
Power consumption (typical) Collection standard: Fully configured with power cables or network cables, 30% load	5 W	6 W
Power consumption (full load) Collection standard: fully configured with transceiver modules or network cables, 100% load	86 W	132W
System thermal consumption		
Thermal consumption (static) Collection standard: No load	10.3 BTU/h	13.7 BTU/h
Thermal consumption (typical) Collection standard: Fully configured with power cables or network cables, 30% load	17.1 BTU/h	20.5 BTU/h
Thermal consumption (full load) Collection standard: fully configured with transceiver modules or network cables, 100% load	294.3 BTU/h	450.2 BTU/h

Item	S1600V2-6P-HPWR	S1600V2-10P-HPWR
Heat dissipation		
Cooling method	Fanless, passive cooling	
Reliability and availability		
Mean time between failure (MTBF) (year)	88.59625	78.47745
Mean time to repair (MTTR) (hour)	1	
Availability	99.9998712%	99.9998545%
Environment specifications		
Operating temperature	-5°C to +45°C (23°F to 113°F) <b>NOTE:</b> The maximum acceptable temperature decreases by 0.33°C (32.59°F) for every 100 m (328.08 ft) increase in altitude from 0 m (0 ft).	
Storage temperature	-40°C to +70°C (-40°F to +158°F)	
Relative humidity	5% RH to 95% RH, noncondensing	
Compliance		
Product compliance	<ul style="list-style-type: none"> <li>• Safety standards</li> <li>• EMC standards</li> <li>• Environmental and eco-friendly standards</li> </ul>	
Product lightning protectionA		
Connector lightning protection	N/A	
Power lightning protection	N/A	

**Table 4 Product specifications (PoE models) (2)**

Item	S1600V2-18P-HPWR	S1600V2-26P-HPWR
Physical specifications		
Dimensions (H x W x D)	44 x 440 x 260 mm (1.73 x 17.32 x 10.24 in)	44 x 440 x 260 mm (1.73 x 17.32 x 10.24 in)
Dimensions (including packaging) (H x W x D)	145 x 538 x 404 mm (5.71 x 21.18 x 15.91 in)	145 x 538 x 404 mm (5.71 x 21.18 x 15.91 in)
Weight	≤ 3.5 kg (7.72 lb)	≤ 3.7 kg (8.16 lb)
Technical specifications		
Memory (RAM)	N/A	N/A
Flash	4 MB	4 MB
Interface type and quantity		
10/100/1000BASE-T auto-sensing Ethernet port	16	24
SFP port	2	2
Power supply specifications		

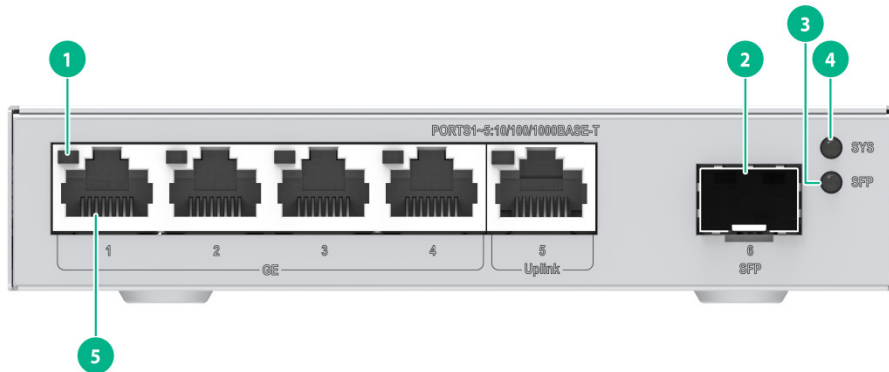
Item	S1600V2-18P-HPWR	S1600V2-26P-HPWR
Power input	AC power input	
Power supply specifications	<ul style="list-style-type: none"> <li>Rated voltage range: 100V to 240V AC, 50/60Hz</li> <li>Maximum voltage range: 90V to 264V AC, 47 to 63Hz</li> </ul>	
Melting current of power supply fuse	8 A/250 V	10 A/250 V
PoE power capacity		
Maximum PoE power per port	35 W	35 W
Total PoE power	240 W	370 W
Overall system power consumption		
Power consumption (static) Collection standard: No load	8.2 W	10.6 W
Power consumption (typical) Collection standard: Fully configured with power cables or network cables, 30% load	15 W	20.5 W
Power consumption (full load) Collection standard: fully configured with transceiver modules or network cables, 100% load	279.3 W	439.2 W
System thermal consumption		
Thermal consumption (static) Collection standard: No load	28 BTU/h	37 BTU/h
Thermal consumption (typical) Collection standard: Fully configured with power cables or network cables, 30% load	52 BTU/h	70 BTU/h
Thermal consumption (full load) Collection standard: fully configured with transceiver modules or network cables, 100% load	954 BTU/h	1499 BTU/h
Heat dissipation		
Cooling method	Air-cooled heat dissipation	
Heat dissipation air duct	Left-and-right air duct	

Item	S1600V2-18P-HPWR	S1600V2-26P-HPWR
Reliability and availability		
Mean time between failure (MTBF) (year)	79.35	88.24763
Mean time to repair (MTTR) (hour)	1	
Availability	99.99998%	99.99998%
Environment specifications		
Operating temperature	-5°C to +45°C (23°F to 113°F) <b>NOTE:</b> The maximum acceptable temperature decreases by 0.33°C (32.59°F) for every 100 m (328.08 ft) increase in altitude from 0 m (0 ft).	
Storage temperature	-40°C to +70°C (-40°F to +158°F)	
Relative humidity	5% RH to 95% RH, noncondensing	
Compliance		
Product compliance	<ul style="list-style-type: none"> <li>• Safety standards</li> <li>• EMC standards</li> <li>• Environmental and eco-friendly standards</li> </ul>	
Product lightning protection		
Connector lightning protection	6 KV	6 KV
Power lightning protection	6 KV	6 KV

# Chassis views

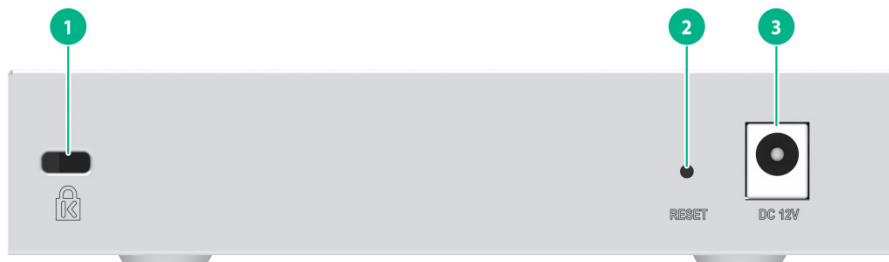
## S1600V2-6P switch

Figure 1 S1600V2-6P front panel



- |   |                             |
|---|-----------------------------|
| (1) 10/100/1000BASE-T autosensing Ethernet port LED | (2) SFP port                |
| (3) SFP port LED                                    | (4) System status LED (SYS) |
| (5) 10/100/1000BASE-T auto-sensing Ethernet port    |                             |

Figure 2 S1600V2-6P rear panel



- |                            |                  |
|----------------------------|------------------|
| (1) Anti-theft lock        | (2) RESET button |
| (3) Adapter input terminal |                  |

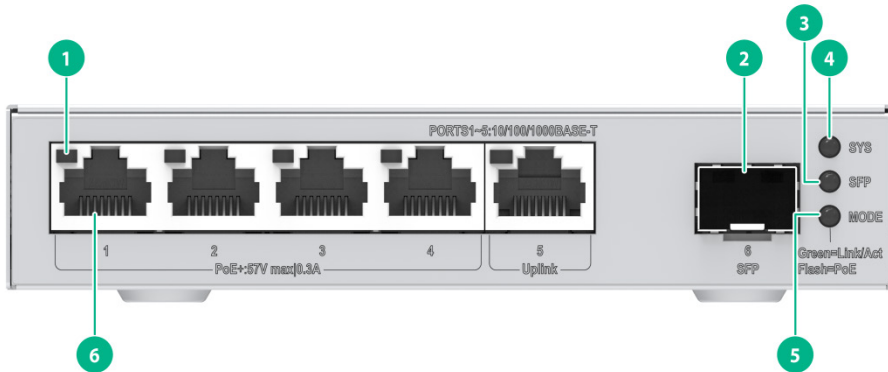
### NOTE:

Use the RESET button as follows:

- Hold down the button for less than one second. When the SYS LED stays solid green, release the button, and the device will restart.
- Hold down the button for one to five seconds until the SYS LED flashes red slowly (1 Hz). Release the key, and the device will restore the default Web login password.
- Hold down button for five to 10 seconds until the SYS LED flashes red rapidly (8 Hz). Release the button, and the device will restore to the factory defaults and restart.
- Hold down the button for more than 10 seconds. Release the button when the SYS LED restores to steady green; the device will not perform any restoration actions.

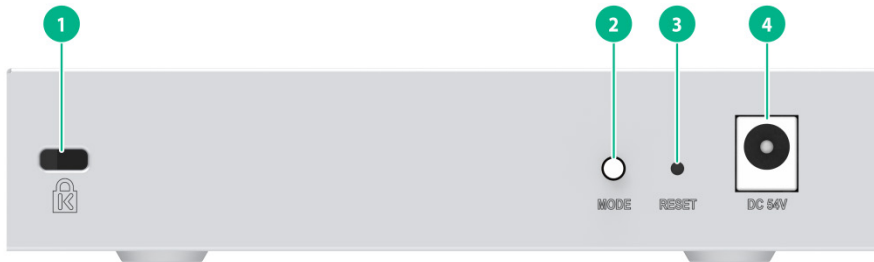
# S1600V2-6P-HPWR switch

Figure 3 S1600V2-6P-HPWR front panel



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

Figure 4 S1600V2-6P-HPWR rear panel



(1) Anti-theft lock	(2) Mode LED (MODE)
(3) RESET button	(4) Adapter input terminal

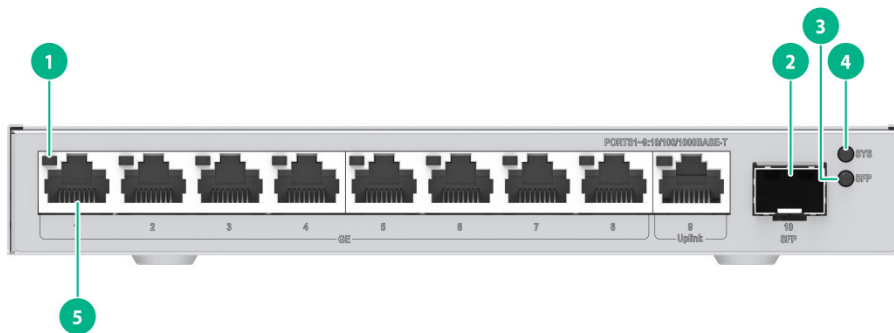
## NOTE:

Use the RESET button as follows:

- Hold down the button for less than one second. When the SYS LED stays solid green, release the button, and the device will restart.
- Hold down the button for one to five seconds until the SYS LED flashes red slowly (1 Hz). Release the key, and the device will restore the default Web login password.
- Hold down button for five to 10 seconds until the SYS LED flashes red rapidly (8 Hz). Release the button, and the device will restore to the factory defaults and restart.
- Hold down the button for more than 10 seconds. Release the button when the SYS LED restores to steady green; the device will not perform any restoration actions.

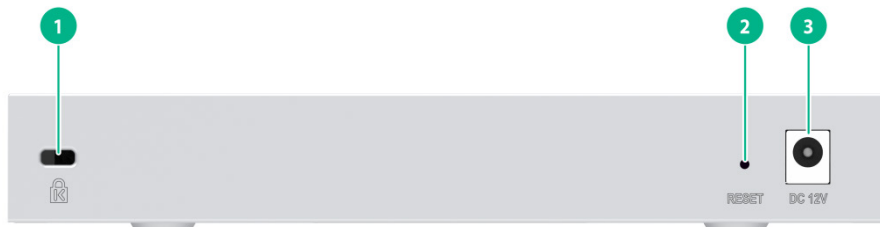
# S1600V2-10P switch

Figure 5 S1600V2-10P front panel



- 
- |   |                             |
|---|-----------------------------|
| (1) 10/100/1000BASE-T autosensing Ethernet port LED | (2) SFP port                |
| (3) SFP port LED                                    | (4) System status LED (SYS) |
| (5) 10/100/1000BASE-T auto-sensing Ethernet port    |                             |
- 

Figure 6 S1600V2-10P rear panel



- 
- |                            |                  |
|----------------------------|------------------|
| (1) Anti-theft lock        | (2) RESET button |
| (3) Adapter input terminal |                  |
- 

## NOTE:

Use the RESET button as follows:

- Hold down the button for less than one second. When the SYS LED stays solid green, release the button, and the device will restart.
  - Hold down the button for one to five seconds until the SYS LED flashes red slowly (1 Hz). Release the key, and the device will restore the default Web login password.
  - Hold down button for five to 10 seconds until the SYS LED flashes red rapidly (8 Hz). Release the button, and the device will restore to the factory defaults and restart.
  - Hold down the button for more than 10 seconds. Release the button when the SYS LED restores to steady green; the device will not perform any restoration actions.
-



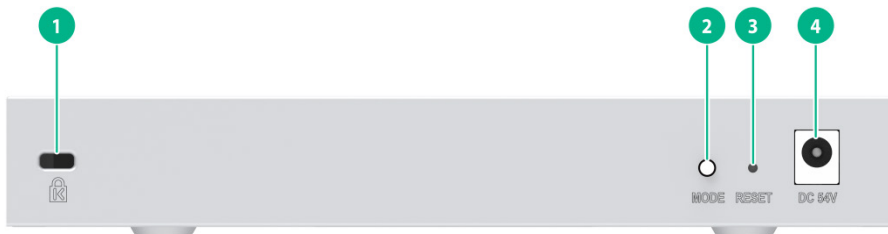
# S1600V2-10P-HPWR

Figure 7 Front Panel Diagram of S1600V2-10P-HPWR



(1) 10/100/1000BASE-T autosensing Ethernet port LED	(2) SFP port
(3) SFP port LED	(4) System status LED (SYS)
(5) Mode LED (MODE)	(6) 10/100/1000BASE-T auto-sensing Ethernet port

Figure 8 S1600V2-10P-HPWR front panel



(1) Anti-theft lock	(2) Mode LED (MODE)
(3) RESET button	(4) Adapter input terminal

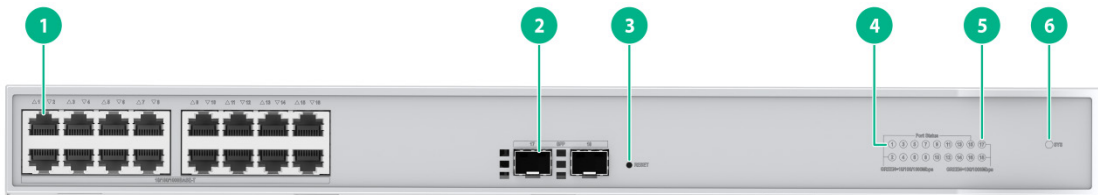
**NOTE:**

Use the RESET button as follows:

- Hold down the button for less than one second. When the SYS LED stays solid green, release the button, and the device will restart.
- Hold down the button for one to five seconds until the SYS LED flashes red slowly (1 Hz). Release the key, and the device will restore the default Web login password.
- Hold down button for five to 10 seconds until the SYS LED flashes red rapidly (8 Hz). Release the button, and the device will restore to the factory defaults and restart.
- Hold down the button for more than 10 seconds. Release the button when the SYS LED restores to steady green; the device will not perform any restoration actions.

# S1600V2-18P switch

Figure 9 S1600V2-18P front panel



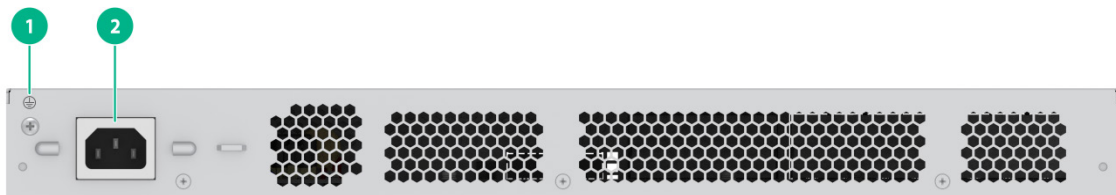
(1) 10/100/1000BASE-T auto-sensing Ethernet port	(2) SFP port
(3) RESET button	(4) 10/100/1000BASE-T auto-sensing Ethernet port LED
(5) SFP port LED	(6) System status LED (SYS)

**NOTE:**

Use the RESET button as follows:

- Hold down the button for less than one second. When the SYS LED stays solid green, release the button, and the device will restart.
- Hold down the button for one to five seconds until the SYS LED flashes red slowly (1 Hz). Release the key, and the device will restore the default Web login password.
- Hold down button for five to 10 seconds until the SYS LED flashes red rapidly (8 Hz). Release the button, and the device will restore to the factory defaults and restart.
- Hold down the button for more than 10 seconds. Release the button when the SYS LED restores to steady green; the device will not perform any restoration actions.

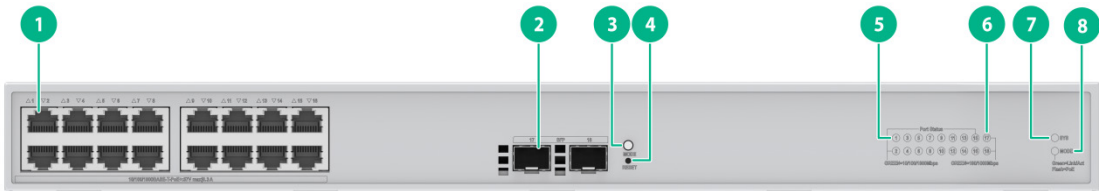
Figure 10 S1600V2-18P rear panel



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

# S1600V2-18P-HPWR switch

Figure 11 S1600V2-18P-HPWR front panel



(1) 10/100/1000BASE-T auto-sensing Ethernet port	(2) SFP port
(3) Mode LED (MODE)	(4) RESET button
(5) 10/100/1000BASE-T auto-sensing Ethernet port LED	(6) SFP port LED
(7) System status LED (SYS)	(8) Mode switch button for the port mode LED

**NOTE:**

Use the RESET button as follows:

- Hold down the button for less than one second. When the SYS LED stays solid green, release the button, and the device will restart.
- Hold down the button for one to five seconds until the SYS LED flashes red slowly (1 Hz). Release the key, and the device will restore the default Web login password.
- Hold down button for five to 10 seconds until the SYS LED flashes red rapidly (8 Hz). Release the button, and the device will restore to the factory defaults and restart.
- Hold down the button for more than 10 seconds. Release the button when the SYS LED restores to steady green; the device will not perform any restoration actions.

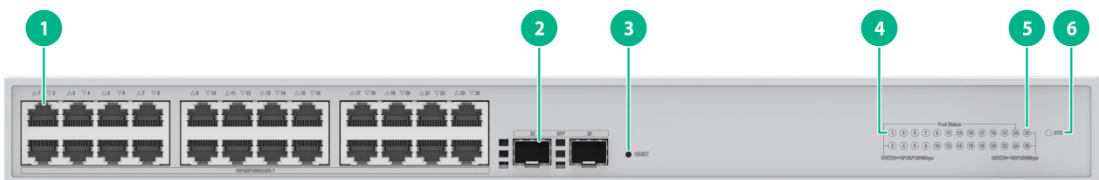
Figure 12 S1600V2-18P-HPWR rear panel



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

# S1600V2-26P switch

Figure 13 S1600V2-26P front panel



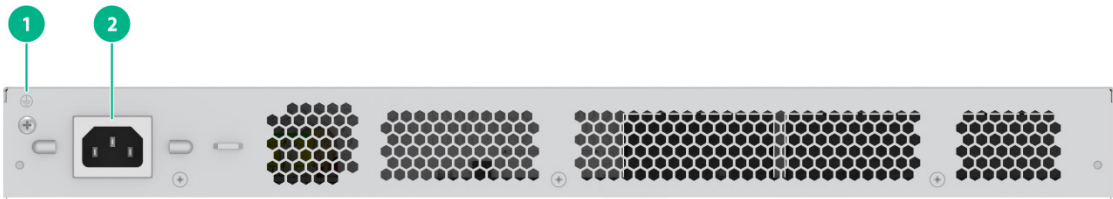
(1) 10/100/1000BASE-T auto-sensing Ethernet port	(2) SFP port
(3) RESET button	(4) 10/100/1000BASE-T auto-sensing Ethernet port LED
(5) SFP port LED	(6) System status LED (SYS)

**NOTE:**

Use the RESET button as follows:

- Hold down the button for less than one second. When the SYS LED stays solid green, release the button, and the device will restart.
- Hold down the button for one to five seconds until the SYS LED flashes red slowly (1 Hz). Release the key, and the device will restore the default Web login password.
- Hold down button for five to 10 seconds until the SYS LED flashes red rapidly (8 Hz). Release the button, and the device will restore to the factory defaults and restart.
- Hold down the button for more than 10 seconds. Release the button when the SYS LED restores to steady green; the device will not perform any restoration actions.

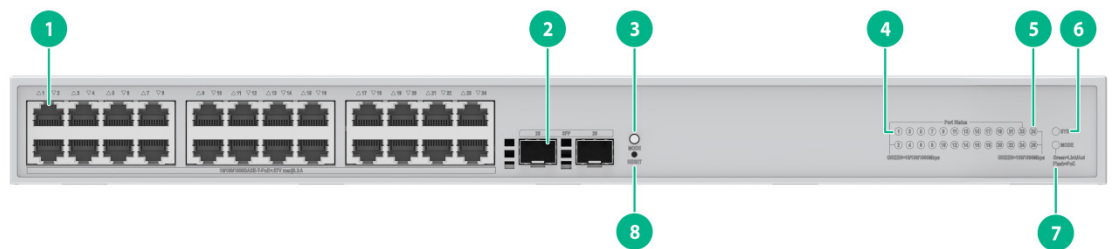
**Figure 14 S1600V2-26P rear panel**



(1) Grounding screw	(2) AC-input power receptacle
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# S1600V2-26P-HPWR switch

**Figure 15 S1600V2-26P-HPWR front panel**



(1) 10/100/1000BASE-T auto-sensing Ethernet port	(2) SFP port
(3) Mode switch button for the port mode LED	(4) 10/100/1000BASE-T auto-sensing Ethernet port LED
(5) SFP port LED	(6) System status LED (SYS)
(7) Mode LED (MODE)	(8) RESET button

**NOTE:**

Use the RESET button as follows:

- Hold down the button for less than one second. When the SYS LED stays solid green, release

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the button, and the device will restart.

- Hold down the button for one to five seconds until the SYS LED flashes red slowly (1 Hz). Release the key, and the device will restore the default Web login password.
  - Hold down button for five to 10 seconds until the SYS LED flashes red rapidly (8 Hz). Release the button, and the device will restore to the factory defaults and restart.
  - Hold down the button for more than 10 seconds. Release the button when the SYS LED restores to steady green; the device will not perform any restoration actions.
- 

**Figure 16 S1600V2-26P-HPWR rear panel**



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(1) Grounding screw

(2) AC-input power receptacle

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# Ports and LEDs

## Ports

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

**Table 5 10/100/1000BASE-T Ethernet port attributes**

Item	Description
Connector type	RJ-45
Rate and duplex mode	<ul style="list-style-type: none"><li>• 10Mbit/s full duplex/half duplex</li><li>• 100Mbit/s full duplex/half duplex</li><li>• 1000Mbit/s full duplex</li><li>• MDI/MDI-X, auto-sensing</li></ul>
Max transmission distance	100 m (328.08 ft)
Transmission medium	Category 5 and above twisted pair cable
Compliant standard	IEEE 802.3i, 802.3u, 802.3ab
Supported models	All switch models

## SFP

**Table 6 SFP port attributes (1)**

Item	Description
Interface type	SFP ports
Rate and duplex mode	Supports all GE SFP transceiver modules and cables described in <a href="#">Table 9</a> .
Supported models	S1600V2-10P and S1600V2-10P-HPWR

**Table 7 SFP port attributes (2)**

Item	Description
Interface type	SFP
Rate and duplex mode	Supports GE SFP transceiver modules and cables described in <a href="#">Table 9</a> . Supports all 2.5G SFP transceiver modules <a href="#">Table 11</a> .
Supported models	S1600V2-6P and S1600V2-6P-HPWR
Restrictions and guidelines	The SFP port supports 1000M and 2.5G rates. You can switch the interface speed through the Web interface and restart the device for the change to take effect

**Table 8 SFP port attributes (3)**

Item	Description
Interface type	SFP

Rate and duplex mode	Supports all GE SFP transceiver modules and cables described in <a href="#">Table 10</a> .
Supported models	S1600V2-18P, S1600V2-26P, S1600V2-18P-HPWR, and S1600V2-26P-HPWR

**Table 9 GE SFP transceiver modules and cables (1)**

Transceiver module/cable model	Transceiver module/cable model	Central wavelength	Connector type	Interface cable specifications	Modal bandwidth (MHz*km)	Max transmission distance	
SFP module	SFP-GE-SX-MM850-A	850 nm	LC	50/125 μm, MMF	500	550 m (1804.46 ft)	
					400	500 m (1640.42 ft)	
				62.5/125 μm, MMF	200	275 m (902.23 ft)	
					160	200 m (656.17 ft)	
					160	200 m (656.17 ft)	
	SFP-GE-LX-SM1310-A	1310 nm	LC	9/125 μm, SMF	N/A	10 km (32808.40 ft)	
				50/125 μm, MMF	500/400	550 m (1804.46 ft)	
				62.5/125 μm, MMF	500	550 m (1804.46 ft)	
	SFP-GE-LX-S M1310-BIDI	Note: The modules of these two models must be used in pairs.	RX: 1310 nm RX: 1490 nm	LC	9/125 μm, SMF	N/A	10 km (32808.40 ft)
	SFP-GE-LX-S M1490-BIDI		TX: 1490 nm RX: 1310 nm			N/A	
SFP-GE-LX-S M1310-BIDI-I	Note: The modules of these two models must be used in pairs.	RX: 1310 nm RX: 1490 nm	LC	9/125 μm, SMF	N/A	10 km (32808.40 ft)	
SFP-GE-LX-S M1490-BIDI-I		TX: 1490 nm RX: 1310 nm			N/A		

Transceiver module/cable model	Transceiver module/cable model	Central wavelength	Connector type	Interface cable specifications	Modal bandwidth (MHz*km)	Max transmission distance
SFP cables	SFP-STACK-Kit	N/A	N/A	SFP cables	N/A	1.5 m (32808.40 ft)

**Table 10 GE SFP transceiver modules and cables (2)**

Transceiver module/cable model	Transceiver module/cable model	Central wavelength	Connector type	Interface cable specifications	Modal bandwidth (MHz*km)	Max transmission distance
SFP copper transceiver module	SFP-GE-T	N/A	RJ-45	Twisted pair	N/A	100 m (328.08 ft)
	SFP-GE-T-D	N/A	RJ-45	Twisted pair	N/A	100 m (328.08 ft)
All-optical 3.0 dedicated transceiver module	SFP-GE-LX-SM1310-F	1310 nm	PoDLC	Hybrid copper-fiber cable	N/A	10 km (32808.40 ft)
SFP module	SFP-GE-SX-MM850-A	850 nm	LC	50/125 μm, MMF	500	550 m (1804.46 ft)
					400	500 m
				62.5/125 μm, MMF	200	275 m (902.23 ft)
					160	200 m (656.17 ft)
	SFP-GE-LX-SM1310-A	1310 nm	LC	9/125 μm, SMF	N/A	10 km (32808.40 ft)
				50/125 μm, MMF	500/400	550 m (1804.46 ft)
62.5/125 μm, MMF				500	550 m (1804.46 ft)	



	SFP-GE-LX-SM13 10-BIDI	Note: The modules of these two models must be used in pairs.	TX: 1310 nm RX: 1490 nm	LC	9/125 μm, SMF	N/A	10 km (32808.40 ft)
	SFP-GE-LX-SM14 90-BIDI		TX: 1490 nm RX: 1310 nm			N/A	
	SFP-GE-LX-SM13 10-BIDI-I	Note: The modules of these two models must be used in pairs.	TX: 1310 nm RX: 1490 nm	LC	9/125 μm, SMF	N/A	10 km (32808.40 ft)
	SFP-GE-LX-SM14 90-BIDI-I		TX: 1490 nm RX: 1310 nm			N/A	
	SFP-GE-LX10-SM1310			1310 nm	LC	9/125 μm, SMF	N/A
SFP cable	SFP-STACK-Kit		N/A	N/A	SFP cables	N/A	1.5 m (4.92 ft)

**NOTE:**

All-optical 3.0 dedicated transceiver modules supports data transfer and power supply/reception only when they are used with the combined copper-fiber pigtail and hybrid copper-fiber cable.

**Table 11 2.5G SFP transceiver modules**

Transceiver module/cable model	Transceiver module/cable model	Central wavelength	Connector type	Interface cable specifications	Modal bandwidth (MHz*km)	Max transmission distance
2.5G SFP all-optical 3.0 dedicate transceiver module	SFP-2.5G-LX10-SM1310-DR-I	1310 nm	PoDL C	Photoelectric hybrid cable	N/A	10 km (32808.40 ft)

**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*.

# LEDs

## System status LED

The system status LED shows the operating status of the switch, as shown in [Table 12](#).

**Table 12 System status LED description**

LED mark	LED status	Description
SYS	Flashing green	The switch has started up correctly.
	Flashing red	The system is being powered on.
	Off	The switch is powered off or has not started up correctly.

## Port mode LED

For models providing a mode switch button for the port mode LED, you can use the button and the port status LEDs to view the port operational status from various angles and obtain more device information.

- The port mode LED informs users about the specific type of information displayed by the port status LEDs for various types of ports.
- You can press the mode switch button for the port mode LED to adjust the display state of the LED, ultimately controlling the information displayed by the port status LEDs.

**Table 13 Port mode LED description**

LED mark	LED status	Description
MODE	Steady green	The port status LEDs indicate the Link/Active status of ports
	Flashing green (only for PoE models)	The port status LEDs indicate the PoE power supply status of the ports

## 10/100/1000BASE-T auto-sensing Ethernet port LEDs

For models providing a mode switch button for the port mode LED, you can use the button and the Ethernet port LEDs to view the port operational status from various angles. For more information, see [Table 14](#).

For models not providing a mode switch button for the port mode LED, see [Table 15](#) to view the Ethernet port LED description.

**Table 14 Description for 10/100/1000BASE-T auto-sensing Ethernet port status LED (1)**

LED status		Description
Port mode LED (MODE)	Ethernet port LED status	
Steady green (Link/Active mode)	Steady green	A link is present on the port
	Flashing green	The port is receiving or sending data
	Off	No link is present on the port.
Flashing green	Steady green	The PoE power supply is normal

LED status		Description
Port mode LED (MODE)	Ethernet port LED status	
(only for PoE models)	Off	The port is not connected to a PD or PoE is not enabled on the port

**Table 15 Description for 10/100/1000BASE-T auto-sensing Ethernet port status LED (2)**

LED mark	LED status	Description
SYS	Flashing green	The switch has started up correctly
	Steady red	The system is being powered on
	Off	The switch is powered off or has not started up correctly

## SFP port LED description

**Table 16 SFP port LED description**

SFP port LED status	Description
Steady green	A link is present on the port.
Flashing green	The port is receiving or sending data
Off	<ul style="list-style-type: none"> <li>No link is present on the port.</li> <li>The mode LED is operating in PoE mode (only for PoE models)</li> </ul>