

## USG6000E-S03

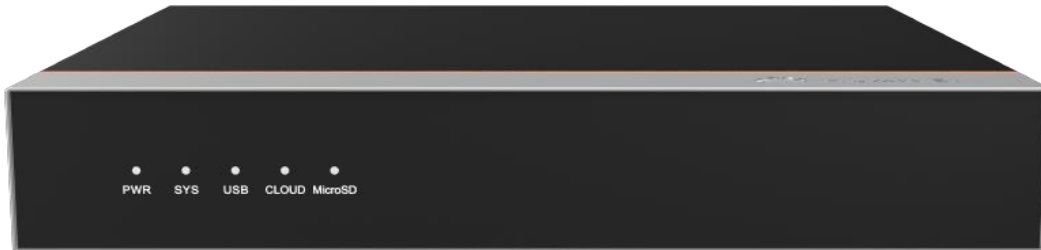
### Overview

**Table 2-2** Basic information about the USG6000E-S03

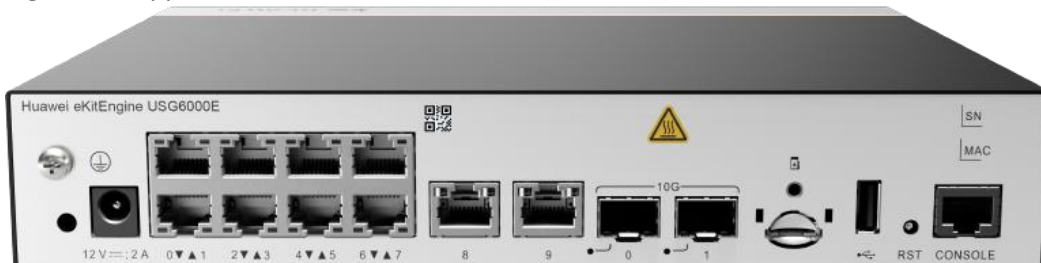
Description	Part Number	Model	First supported version	Remarks
USG6000E-S03-AC Host(10*GE RJ45+2*10GE SFP+,1*Adapter,Include SSL VPN 100 Users)	02355YXH	USG6000E-S03-AC	V600R007C20SPC605	Black

### Appearance

**Figure 2-2** Appearance of the USG6000E-S03 (front view)

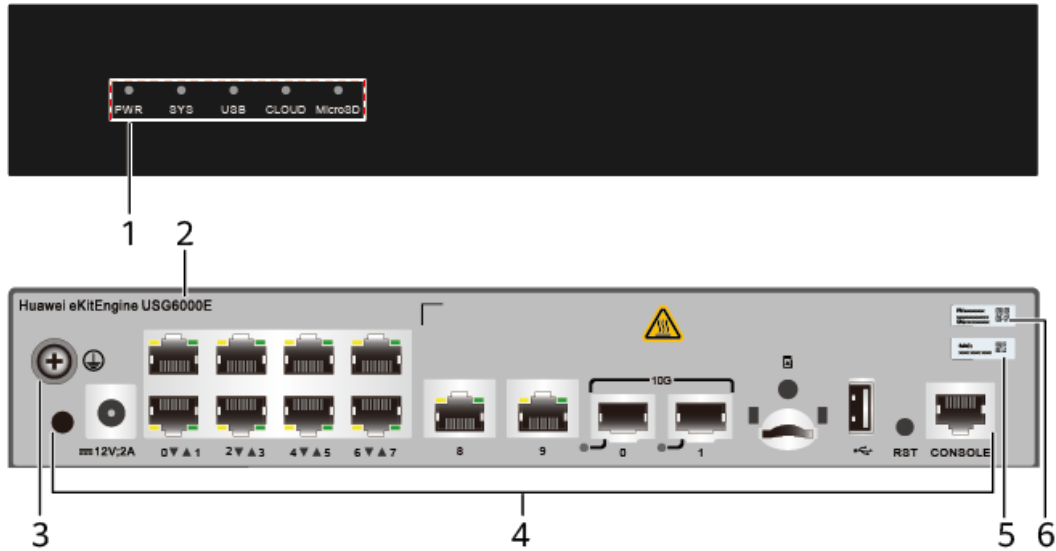


**Figure 2-3** Appearance of the USG6000E-S03 (rear view)



### Components

**Figure 2-4** Components of the USG6000E-S03



1. Indicator area	2. Product model ID	3. Protective ground terminal	4. Fixed interface area	5. MAC label
6. SN label	-	-	-	-

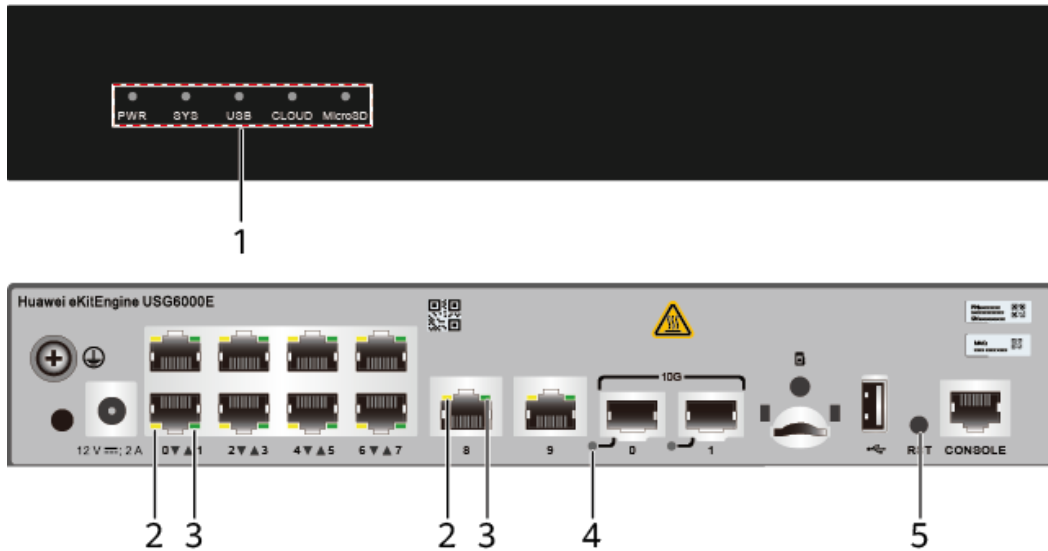
**Table 2-3** Component functions

Name	Description
Indicator area	Provides various indicators to display the device running status in real time.
Product model ID	Indicates the product model of the device.
Protective ground terminal	Connects the M4 OT terminal of a PGND cable to the cabinet or the ground bar in the equipment room.
Fixed interface area	<ul style="list-style-type: none"> <li>Provides clip hole and power receptacle.</li> <li>Provides service ports, USB ports, console ports, and out-of-band management ports for device configuration and maintenance.</li> <li>Houses a Micro SD card to store logs and reports.</li> </ul>
MAC label	Uniquely identifies the MAC address of the device, which is required during network forwarding configuration.

Name	Description
SN label	Uniquely identifies the device, which needs to be provided for the local technical support personnel to apply for a license.

### Indicators and Buttons

Figure 2-5 Indicators and buttons on the USG6000E-S03



1. PWR, SYS, USB, CLOUD, and MicroSD indicators	2. GE electrical port ACT indicator	3. GE electrical port LINK indicator	4. Optical port indicator	5. RST button
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Table 2-4 Indicators on the USG6000E-S03

Silkscreen	Name	Color	Status	Description
PWR	Power indicator	Green	Steady on	The power module is working properly.
		-	Off	The power module is faulty or the device is not powered on.
SYS	SYS indicator	Green	Steady on	The system is being

Silkscreen	Name	Color	Status	Description
				powered on or restarted.
		Green	Blinks once every 2 seconds (0.5 Hz).	The system is running normally.
		Green	Blinking four times every second (4 Hz)	The system is starting.
		Red	Steady on	A system fault occurs.
		-	Off	The system is not running.
USB	USB indicator	Green	Steady on	USB-based deployment has been completed.
		Green	Blinking four times every second (4 Hz)	The system is reading data from the USB flash drive.
		Red	Steady on	USB-based deployment fails.
		-	Off	USB-based deployment is disabled (default state).
CLOUD		Green	Steady on	Connected to the cloud

Silkscreen	Name	Color	Status	Description
	CLOUD indicator			management platform.
		Green	Blinking four times every second (4 Hz)	Connecting to the cloud management platform, transmitting or receiving data.
		-	Off	The device is not connected to the cloud management platform.
MicroSD	Micro SD indicator	Green	Steady on	The micro SD card is present.
		-	Off	The micro SD card is not detected.
-	ACT indicator of the GE electrical port	Yellow	Blinking (12 Hz)	The port is sending or receiving data.
		-	Off	The port is not sending or receiving data.
-	LINK indicator of	Green	Steady on	The port link is connected.

Silkscreen	Name	Color	Status	Description
	the GE electrical ports	-	Off	No link is established on the port.
-	Optical port indicator	Green	Steady on	The port link is connected.
		Green	Blinking (12 Hz)	The port is sending or receiving data.
		-	Off	No link is established on the port.

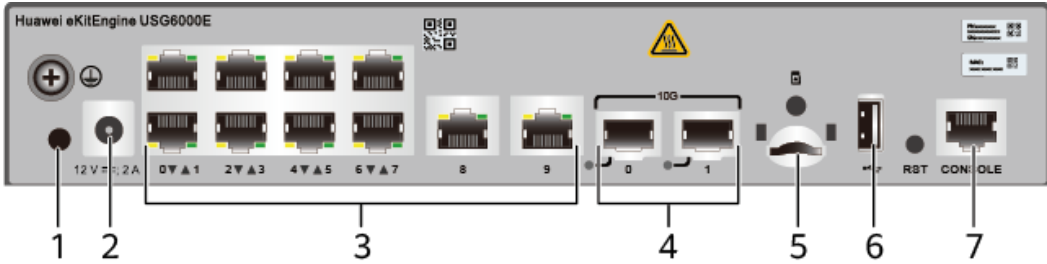
**Table 2-5** Buttons on the USG6000E-S03

Silkscreen	Name	Description
RST	RST button	<p>When the device is running properly, you can press the RST button to restart the device. You are advised to save the current configuration before pressing the RST button.</p> <p>This button can also be used to restore the default settings with one click. If you press and hold the RST button for 5 seconds and then release the RST button, the device restores its default settings and restarts.</p> <p><b>NOTE:</b></p> <p>If needed, you can run the factory-configuration prohibit command in the system view to disable</p>

Silkscreen	Name	Description
		the function of restoring the factory settings by holding down the RST button. To enable this function again, run the undo factory-configuration prohibit command.

**Ports**

**Figure 2-6** Ports on the USG6000E-S03



1. Clip hole	2. Power receptacle	3. GE electrical port	4. 10GE optical port	5. Micro SD card slot
6. USB port	7. Console port	-	-	-

**Table 2-6** Ports on the USG6000E-S03

Port	Connector Type	Description	Available Components
Clip hole	-	The hole is used to install the power cable clip, which is used to bind and fix the power cable.	Power cable clip
Power receptacle	-	The receptacle connects to the tuning fork plug of the power adapter.	<a href="#">36 W Power Adapter (02221468)</a>

Port	Connector Type	Description	Available Components
<p>GE electrical ports (0 to 9)</p>	<p>RJ45</p>	<p>10 10/100/1000M autosensing Ethernet electrical ports, numbered from GigabitEthernet 0/0/0 to GigabitEthernet 0/0/9.</p> <p>GigabitEthernet 0/0/0 is an inband management port and its default IP address is 192.168.0.1. After this port is connected to your PC through Ethernet cables, you can log in to the device using Telnet, STelnet, or web UI to configure or manage the device.</p> <p><b>NOTE:</b></p> <p>Arrowheads show the positions of ports. A down arrowhead indicates a port at the bottom, and an up arrowhead indicates a port at the top.</p>	<p><a href="#">Ethernet Cable</a></p>
<p>10GE optical ports (0 to 1)</p>	<p>SFP+</p>	<p>2 GE/10GE autosensing Ethernet optical ports, numbered from</p>	<ul style="list-style-type: none"> <li>• <a href="#">100Mbps SFP Optical Modules</a></li> </ul>

Port	Connector Type	Description	Available Components
		<p>XGigabitEthernet 0/0/0 to XGigabitEthernet 0/0/1.</p>	<ul style="list-style-type: none"> <li>• <a href="#">1Gbps SFP Copper Modules</a></li> <li>• <a href="#">1Gbps eSFP Optical Modules</a></li> <li>• <a href="#">10Gbps SFP+ Optical Modules</a></li> </ul>
Micro SD card slot	Micro SD	<p>The micro SD card slot allows you to insert a micro SD card to record logs and reports in real time. The micro SD card is optional. You can purchase one from Huawei if needed.</p> <p>You are advised to install an anti-theft board delivered with the device to protect the micro SD card.</p>	<p>BOM code: 06010308, capacity: 64GB, dimensions (H x W x D): 1 mm x 15.00 mm x 11.00 mm/0.04 in. x 0.59 in. x 0.43 in</p>
USB port	USB Type A	<p>USB port allows you to insert an USB flash drive for system software upgrades. For details on upgrades through USB flash drives, refer to the Upgrade Guide</p>	USB flash drive

Port	Connector Type	Description	Available Components
		delivered with the device.	
Console port	RJ45	<p>Console ports allow you to locally connect a PC to the device.</p> <p>You can use a console cable to connect the console port (RJ45) on the device to the COM port on your PC and use a serial port terminal program on your PC to access, configure, and manage the device.</p>	<a href="#">Console Cable</a>

#### Power Supply System

The device has no built-in power modules and uses a 36 W Power Adapter (02221468) for power supply.

#### Heat Dissipation System

The device has no fans and uses natural heat dissipation.

#### Technical Specifications

**Table 2-7** Technical specifications of the USG6000E-S03-AC

Item	Specification
Installation Type	<ul style="list-style-type: none"> <li>• Rack</li> <li>• Work bench</li> <li>• Against the wall</li> </ul>
Cabinet installation standard	Cabinet with a depth of 300 mm or above

Item	Specification
Dimensions without packaging (H x W x D) [mm(in.)]	<ul style="list-style-type: none"> <li>• Typical dimensions (the depth excludes the parts protruding from the body): 43.6 mm x 250 mm x 210 mm (1.72 in. x 9.84 in. x 8.27 in.)</li> <li>• Maximum dimensions (the depth is the distance from ports on the rear panel to the front panel): 43.6 mm x 250 mm x 220 mm (1.72 in. x 9.84 in. x 8.66 in.)</li> </ul>
Dimensions with packaging (H x W x D) [mm(in.)]	110 mm x 470 mm x 335 mm (4.33 in. x 18.5 in. x 13.19 in.)
Chassis height [U]	1 U
Weight with packaging [kg(lb)]	2.3 kg (5.07 lb)
Weight without packaging [kg(lb)]	1.57 kg (3.46 lb)
CPU	1 CPU, 4 cores/CPU, up to 1.2 GHz
Memory	2 GB DDR4 ECC memory
NOR Flash	64 MB
NAND Flash	2 GB
Hard disk	Optional. Purchase one 64-GB micro SD card from Huawei as required.
Console port	RJ45
Eth Management port	RJ45
Typical power consumption [W]	16.4 W
Typical heat dissipation [BTU/hour]	55.96 BTU/hour

Item	Specification
Maximum power consumption [W]	22.3 W
Maximum heat dissipation [BTU/hour]	76.08 BTU/hour
MTBF [years]	57.29 years
MTTR [hours]	2 hours
Availability	0.999996
Power supply mode	Power adapter external
Number of power modules	1
Rated input voltage [V]	100 V to 240 V, 50 Hz/60 Hz
Input voltage range [V]	90 V to 264 V, 47 Hz to 63 Hz
Maximum input current [A]	1 A/power module
Rated output power [W]	36 W/12 V
Maximum output power [W]	36 W/power module
Types of fans	None
Number of fan modules	0
Heat dissipation mode	Has no fan and uses natural cooling.
Long-term operating temperature [°C(°F)]	0°C to 45°C (32°F to 113°F)
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Storage environment	ETSI EN 300 019-1-1 Class 1.2  <b>NOTE:</b>

Item	Specification
	<ul style="list-style-type: none"> <li>• The product has a valid storage period of one year.</li> <li>• The valid storage period refers to the period during which the product maintains the required quality when stored with packing materials in an environment that meets the preceding requirements.</li> </ul>
Long-term operating relative humidity [RH]	5% RH to 95% RH, non-condensing
Storage relative humidity [RH]	5% RH to 95% RH, non-condensing
Long-term operating altitude [m(ft.)]	0 m to 5000 m (0 ft to 16404 ft)
Storage altitude [m(ft.)]	0 m to 5000 m (0 ft to 16404 ft)

 **NOTE**

- The width does not include the size of mounting ears.
- The height is 1U (1U = 1.75 inches, or about 44.45 mm), which is a height unit defined in International Electrotechnical Commission (IEC) 60297 standards.
- Temperature and humidity are measured 1.5 m above the floor and 0.4 m in front of the rack when no protection plate exists before or after the rack.