

SME Network Solution

Quick Start Guide

Issue	15
Date	2025-09-28



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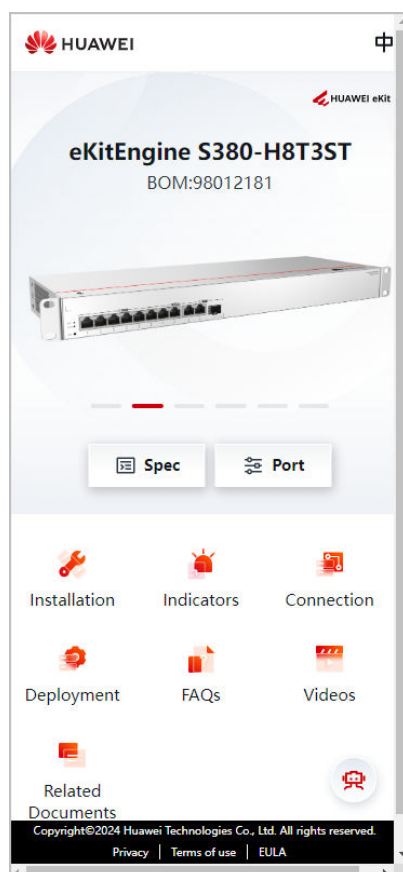
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1 SME Network Product Quick Start Portal

To offer better information experience (for example, obtaining installation and deployment guidance), we have also launched the all-new **SME Network Product Quick Start Portal**, which is shown in **Figure 1-1**.

Figure 1-1 SME Network product quick start portal



2 About This Document

This document is organized into the following chapters and provides guidance for you to quickly install and configure devices:

- [3 Hardware Description](#)
- [4 Installing Devices](#)
- [5 Networking Connections](#)
- [6 Configuring Devices](#)
- [7 Default IP Address of the Device](#)
- [8 Huawei eKit Cloud Site Description](#)
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3 Hardware Description

The table below lists the hardware description documents for SME Network devices. You can refer to the *Hardware Description* of the corresponding device model to quickly search for hardware information, including indicator meanings and interface information.

Category	Hardware Description
Gateway	SME Network AR Router Hardware Description
	SME Network Multi-Service Gateway Hardware Description
Switch	S110, S220, S310, S530, S550, and S620 Hardware Description
	S220S and S310S Series Switches Hardware Description
WLAN	SME Network WLAN Hardware Description

4 Installing Devices

The table below lists the installation guide documents for SME Network devices. For WLAN AP products, installation videos and graphs are also provided. You can refer to the *Installation Guide* of the corresponding device model to install a device using the accessories delivered with the device.

Category	Installation Guide
Gateway	SME Network AR Router Hardware Installation and Parts Replacement
	SME Network Multi-Service Gateway Hardware Installation and Parts Replacement
	SME Network Multi-Service Gateway Installation Graphs
Switch	S110, S220, S310, S530, S550, and S620 Hardware Installation and Parts Replacement
	S220S and S310S Series Switches Hardware Installation and Component Replacement
	SME Network S Switch Installation Graphs
WLAN	SME Network WLAN Hardware Installation and Parts Replacement
	SME Network WLAN Installation Graphs
	How to Install SME Network Indoor Settled APs on a Wall (Using Small Mounting Brackets)
	How to Install SME Network Indoor Settled APs on Gypsum Board Ceilings (Using Small Mounting Brackets)
	How to Install SME Network Wall Plate 86x86 AP on a Junction Box
	How to Install SME Network Indoor Settled APs on T-Rail Ceilings (Using Small Mounting Brackets)

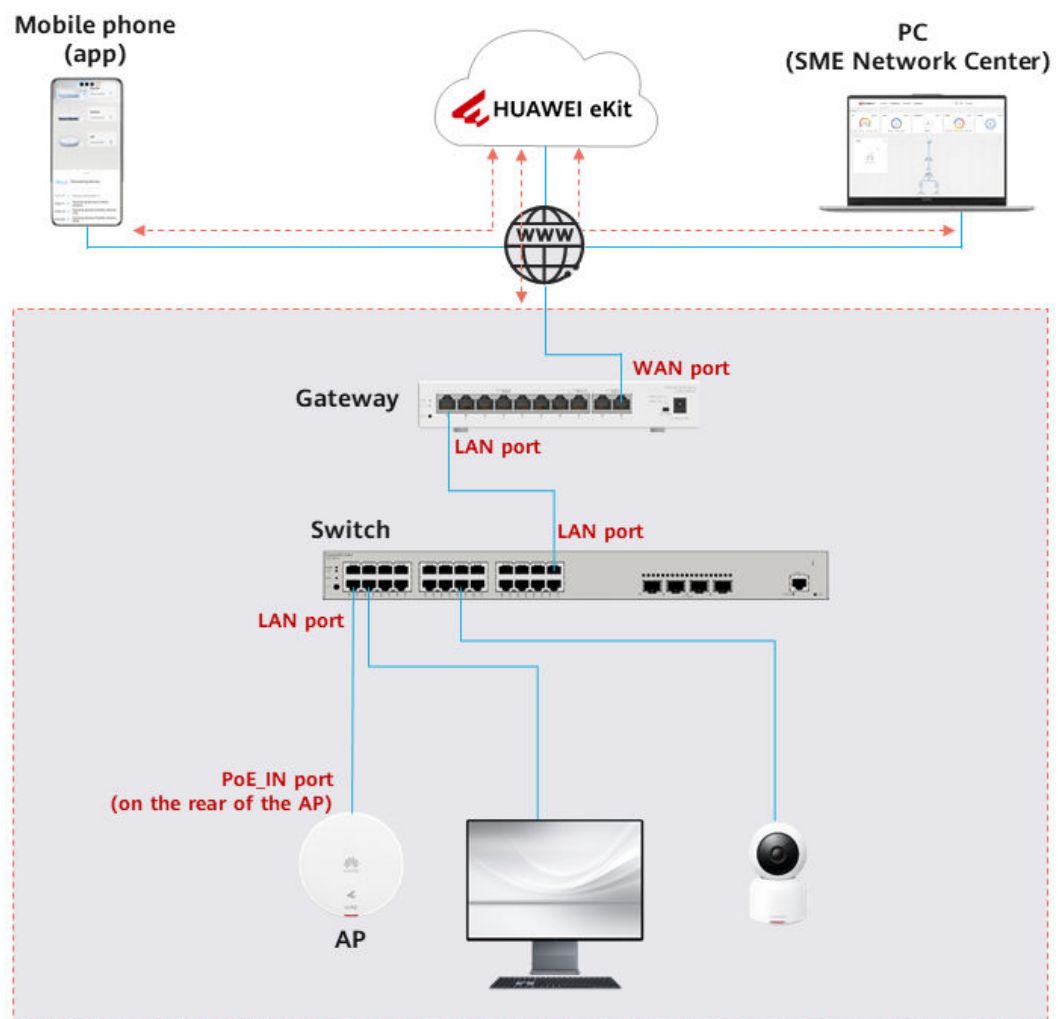
Category	Installation Guide
	How to Install SME Network Indoor Settled APs on Spring Tee Ceilings (Using Small Mounting Brackets)

 NOTE

- If an AP needs to be deployed by scanning the barcode on the Huawei eKit app, use the Huawei eKit app to scan the QR code on the rear of the AP before the installation.
- If the SN of an AP needs to be added to the Huawei eKit SME Network Center and then the AP goes online in the Huawei eKit system, record the SN on the rear of the AP before the installation.

5 Networking Connections

A typical network with SME Network devices consists of gateways, switches, and APs, as shown in the following figure.



- The WAN port of the gateway obtains an IP address through DHCP, PPPoE, or static configuration to communicate with the external network.

- The gateway dynamically allocates IP addresses to LAN-side switches and APs through DHCP.
- APs can be powered by a PoE switch. If a non-PoE switch is used, APs need to be powered by power adapters.
- Entire-network devices can be remotely managed through the Huawei eKit app on a mobile phone or Huawei eKit SME Network Center on a PC.
- For details about the deployment guide and other networking information, refer to [SME Network Typical Configuration Examples](#).

6 Configuring Devices

Devices can be onboarded and managed in the Huawei eKit system (mobile app or web).

Method 1: Onboarding and Managing Devices Through the Huawei eKit App

1. Download the Huawei eKit app.

Scan the QR code to download the app. Alternatively, search for **Huawei eKit** in the app store (App Store on iOS) and download the app as prompted.

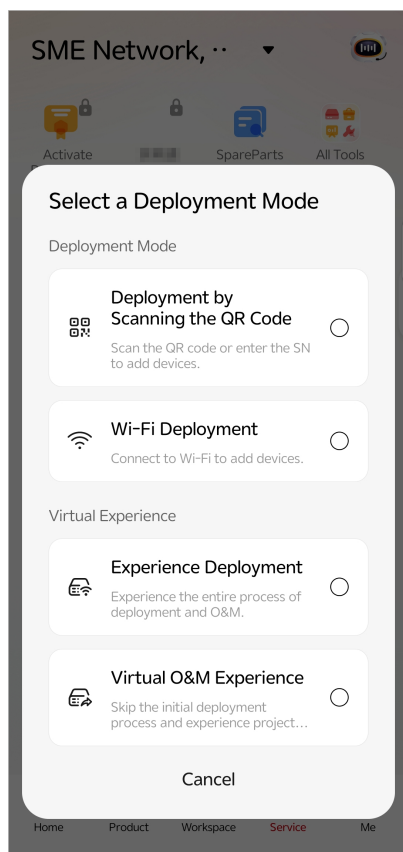


2. Select a deployment mode.

Open the app, tap + on the service page to start deployment, select SME Network as the product, and then select the deployment mode.

Before actual project deployment, you are advised to experience the deployment process in a virtual manner to help you quickly get familiar with the app-based deployment process.

- **Barcode scanning-based deployment:** Scan the SN QR code on the device to add device information for automatic onboarding.
- **Wi-Fi-based deployment:** Connect to the management Wi-Fi network of an AP to quickly onboard entire-network devices.



3. Barcode scanning-based deployment

- a. Prepare for gateway deployment, including configuring the gateway to communicate with the external network.

If the S380 is used as the gateway and the default mode (DHCP) is not configured for its WAN port, log in to the web system of the S380 (default IP address: 192.168.112.1) and configure the mode for obtaining an IP address for the WAN port. For details, see [What Do I Need to Do Before Onboarding an S380 by Scanning the Barcode?](#).

If an AR router is used as the gateway, log in to the web system of the AR router (default IP address: 192.168.112.1) and configure the mode for obtaining the IP address for the WAN port, parameters for interworking with the Huawei eKit system, and other parameters (for the connected devices to go online). For details, see [What Do I Need to Do Before Onboarding an AR Router by Scanning the Barcode?](#).

Internet Access Wizard

Back

Configure Internet access parameters for the dynamic address mode.

The Internet access interface will attempt to obtain an IP address from the network service provider.

GE0/0/0

GE0/0/8

GE0/0/9

* Interface: GigabitEthernet0/0/0

Another connection mode is available for the interface. The new configuration will override the existing configuration.

Finish
Cancel

Before connecting to the Agile Controller, ensure that the system time is correct. Check system time settings.

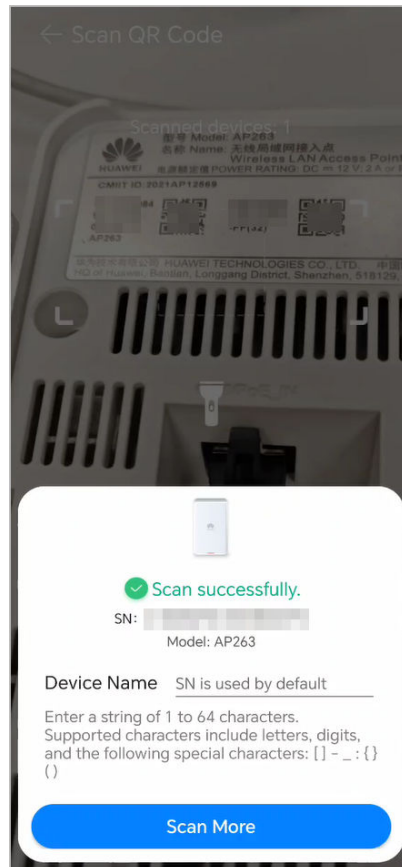
* Agile Controller address (domain name/IP): 190.92.198.197

* Port: 10020

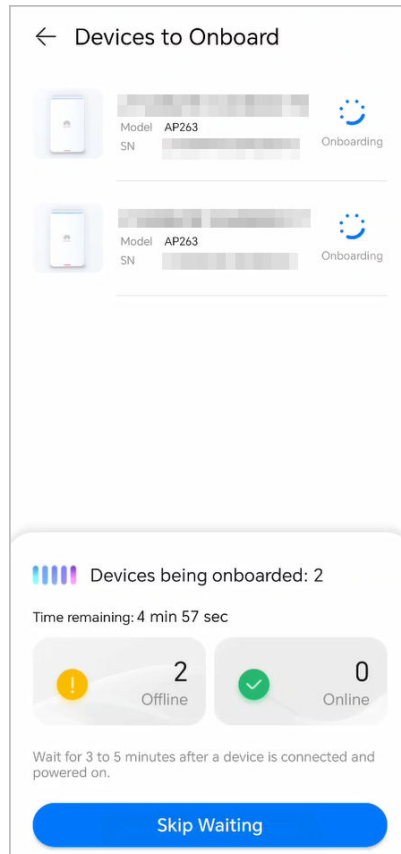
VPN Instance: - Select -

Apply
Clear

- b. Scan the SN QR code of the device to add device information.

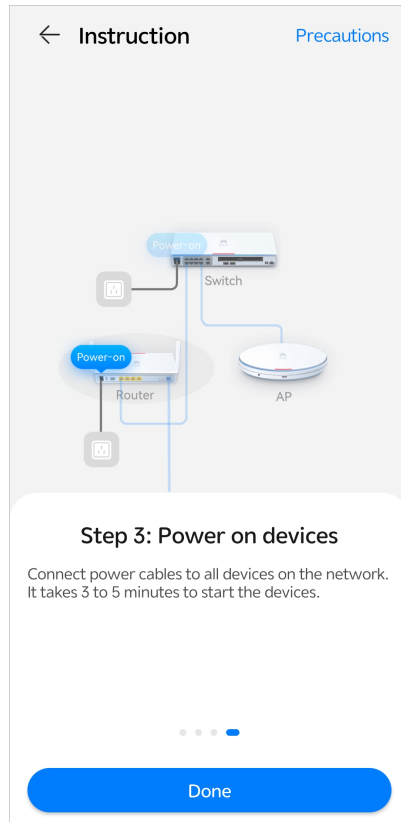


- c. Wait for a while till the device is automatically onboarded.
On a network where the S380 is deployed, after the S380 is onboarded through barcode scanning, it can automatically discover devices on the network and onboard them after device information is added.

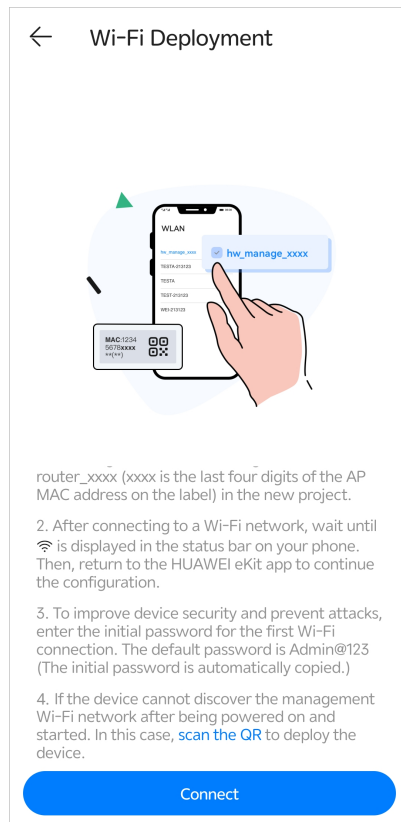


4. **Wi-Fi-based deployment**

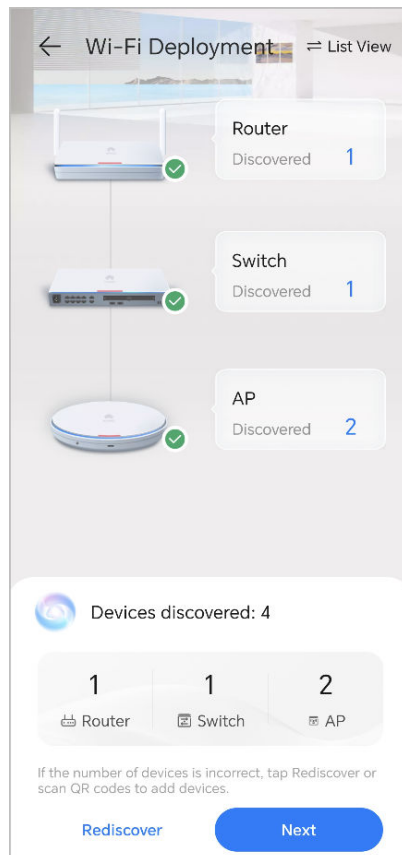
- a. Tap **Precautions** to view the deployment precautions.



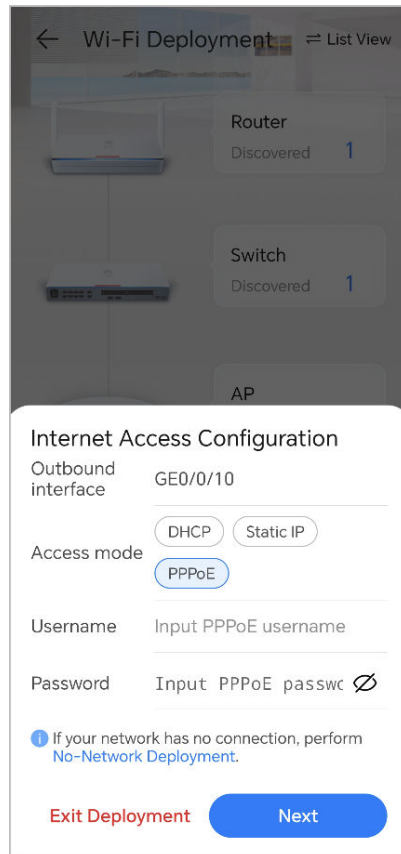
- b. Connect to the management Wi-Fi network.



- c. Start the deployment task and wait for the device to be automatically discovered.



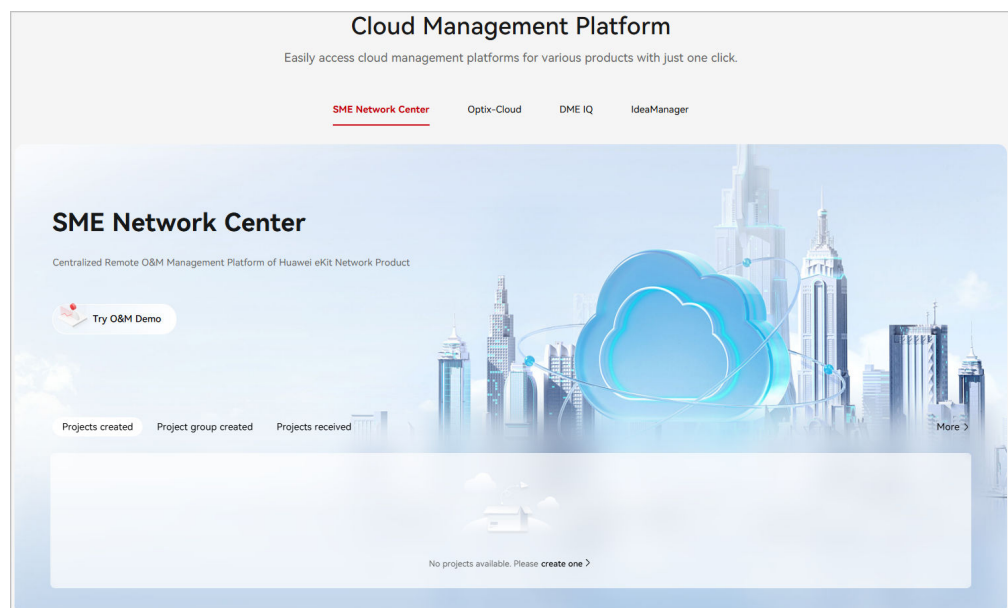
- d. Wait until the device is automatically onboarded. In the automatic onboarding phase, if DHCP is not configured for the WAN port of the gateway to obtain an IP address, the page for setting the IP address obtaining mode is automatically displayed.



Method 2: Onboarding and Managing Devices Through the Huawei eKit SME Network Center

1. Log in to the Huawei eKit SME Network Center.

Log in to the Huawei eKit website at <https://eKit.huawei.com>, click the **Service** tab and then click **SME Network Center** in the **Cloud Management Platform** area.



2. Create a project.

1 Add Project 2 Add Device 3 Check Result

* Project scenario

Enterprise o... Hotel/Guesth... Education

Commercial s... Hospital/Clinic Public admini...

Factory/Ware... Restaurant Real estate

Other

* Project name

NetC

* Device login password

AP management mode ⓘ ☒ Remote management ☐ Local management

Cancel Next

3. Add device information.

You can manually enter SNs or import SNs in batches using a template.

Add Device

Add by

SN

Enter SNs in a batch to automatically identify device types and models.

Excel template

Use an Excel template to quickly import devices.

* SN

Separate SNs with line breaks. Example:

21980121264EL9009527

2150085734LDNB003002

21500849863GN4003924

[How do I query SNs?](#)

Cancel OK

4. Wait for a while till the device is automatically onboarded.

Prepare for gateway onboarding. For details, see [3.a](#).

On a network where the S380 is deployed, after the S380 is onboarded, it can automatically discover devices on the network and onboard them after device information is added.

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Default IP Address of the Device

Only a device with factory default settings can be logged in through the web system for the first time. To log in to a device through the web system, connect a PC to the device according to the table below, configure the IP address of the PC to be in the same network segment as the default IP address of the device, and access the default IP address of the device in a browser.

Cat ego ry	Product Series	Default IP Address for the First Login to the Web System	Description
Gat ewa y	AR303, AR303W, AR720, and AR730	https://192.168.112.1	- Connect a PC to the network port marked with MGMT on the AR router. - Register an account upon the first login.
	AR180, AR280, S380	- https://192.168.112.1 - https://10.231.10.10 (You can also use this address to log in to the AR180&AR280&S380 that functions as the master device to manage the entire network through the EasyWeb.)	- Connect a PC to any LAN port of the AR180&AR280&S380. - Register an account upon the first login. - If the AR180 runs in the AP mode, the virtual IP address cannot be used for login, and the default IP address is changed to 169.254.1.1.
Swit ch	S220, S310, S530, S620, S220S, and S310S	- https://192.168.1.253 - https://10.231.10.10 (You can also use this address to log in to the switch when the switch functions as the master device to manage the entire network through the EasyWeb.)	- Since V600R023C00, you can log in to the web system of the S310. - Connect a PC to any network port of the switch. - Register an account upon the first login.

Cat ego ry	Product Series	Default IP Address for the First Login to the Web System	Description
WL AN	SME Network WAC series	https://169.254.1.1	• Connect a PC to any network port of the WAC. • Register an account upon the first login.
	SME Network AP series	https://192.168.254.254	• Starting from V600R024C10, the AP371 and AP673 support web system login. • Connect a PC to the AP management Wi-Fi network named hw_manage_XXXX (XXX indicates the last four digits of the AP's MAC address). • Register an account upon the first login.

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Huawei eKit Cloud Site Description

Huawei eKit cloud sites are deployed only in some countries and regions.

Open the Huawei eKit app, choose **Me > System Settings**, and switch to the desired country/region. If the **Service** tab is available on the app after you switch the country/region, the deployment and O&M functions of the Huawei eKit app are available. In this case, you can select **SME Network** on the **Service** tab page and perform deployments.

Table 8-1 lists the countries and regions covered by the Huawei eKit system at different sites.

Table 8-1 Countries and regions covered by the Huawei eKit cloud sites

No.	Southbound IP Address of Huawei eKit Cloud Site	Major Countries and Regions Covered
Site 1	190.92.198.197	Singapore, Indonesia, Hong Kong (China), Republic of Korea, Japan, Malaysia, Thailand, Vietnam, Philippines, Bangladesh, Mongolia, Pakistan, etc.
Site 2	119.8.213.82	Major countries and regions in Europe
Site 3	101.44.185.22	Mexico, Guatemala, Costa Rica, Panama, Honduras, El Salvador, Dominican Republic, Bahamas, Belize, Guyana, Jamaica, Nicaragua, Suriname, Trinidad and Tobago, etc.
Site 4	1.178.39.63	Brazil, Peru, Ecuador, Colombia, Chile, Bolivia, Uruguay, Paraguay, Argentina, etc.
Site 5	190.92.198.197 (before February 23, 2025) 121.91.156.106 (Since February 23, 2025)	South Africa

No.	Southbound IP Address of Huawei eKit Cloud Site	Major Countries and Regions Covered
Site 6	• 139.9.137.139 (before October 25, 2024) • 1.92.126.39 (from October 25, 2024 to August 30, 2025) • 124.70.104.193 (since August 30, 2025)	China
Site 7	• 190.92.198.197 (before August 10, 2025) • 101.46.56.19 (since August 10, 2025)	Saudi Arabia, United Arab Emirates, Yemen, Afghanistan, Oman, Kuwait, Qatar, Bahrain, Jordan, and Iraq

9 Related Documents and Videos

Category	Document/Video
All	SME Network Solution Deployment and Maintenance Guide
	SME Network Solution Multimedia Resource Bookshelf
Gateway	AR300 and AR700 Product Documentation
	S380 Product Documentation
	S380 Troubleshooting Guide
Switch	S110, S220, S310, S530, S550, and S620 Product Documentation
	S220S and S310S Product Documentation
	SME Network S Switch Troubleshooting Guide (V600)
WLAN	SME Network WLAN Product Documentation

10 Technical Support

- In the Huawei eKit app, find the intelligent customer service icon or tap the [WeiKnow](#) link for self-service query or ask questions online.
- Obtain technical support from the purchase channel.