

One-Stop SME Network Solution Bookshelf



01

Solution Overview

Networking Solution

Mini networking	- Optical Modem + Switch + AP - Gateway + AP	[Document] Wi-Fi-based Deployment [Document] Wi-Fi-based Deployment	[Document] Easy Web-based Deployment
Small networking	- Gateway + Switch + AP - Optical Modem + Gateway + Switch + AP	[Document] Wi-Fi-based Deployment [Document] Wi-Fi-based Deployment	[Document] Easy Web-based Deployment
Midsized/Large networking	- Gateway + Core Switch + Access Switch + AP - Gateway + Core Switch + Access Switch + AP, Multiple WAN Egresses - Optical Modem + Gateway + Core Switch + Access Switch + AP - Gateway + Core Switch + Access Switch + WAC + AP	[Document] Wi-Fi-based Deployment [Document] Wi-Fi-based Deployment [Document] Wi-Fi-based Deployment [Document] Easy Web-based Deployment	[Document] Easy Web-based Deployment [Document] Local Web-based Deployment



02

Installation & Deployment

Device Installation

Gateway	S380 AR303, AR303W, AR720, AR730	[Tool] Quick Start [Tool] Quick Start	[Infographic] Installation Graphs [Infographic] Installation Graphs
Switch	S110, S220, S530, S620, S220S, S310S	[Tool] Quick Start	[Infographic] Installation Graphs
WLAN AP	Wall Plate 86x86 AP AP160, AP162E Common Wall Plate AP AP263, AP265E, AP266 , AP271E Indoor Settled AP AP361, AP361E, AP362, AP362E, AP371, AP661 , AP673 , AP673E, AP572 Outdoor AP AP761, AP761E, AP772, AP772E	[Video] Recommended Distance Between APs in a Multi-AP Scenario [Video] Junction Box Mounting [Infographic] Installation Graphs [Tool] Quick Start [Tool] Quick Start	[Infographic] Installation Graphs [Infographic] Installation Graphs
WLAN AC	AC650	[Tool] Quick Start	[Infographic] Installation Graphs

Networking Connection

Gateway	S380 AR303, AR303W, AR720, AR730	[Video] Introduction to WAN Ports [Video] Introduction to WAN Ports
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Service Configuration
(by Huawei eKit APP)

Service Configuration
(by Huawei eKit SME Network Center)

Wi-Fi-based deployment	[Video] Wi-Fi-Based Deployment
	[Video] Wi-Fi-based Deployment (No Internet Access)
	[Video] Wi-Fi-based Deployment Check Item 1: Checking the Device Model
	[Video] Wi-Fi-based Deployment Check Item 2: Checking the Cable Connections and Networking
Barcode scanning-based deployment	[Video] Wi-Fi-based Deployment Check Item 3: Checking Whether Devices Use Their Factory Default Settings
	[Video] Barcode Scanning-Based Deployment
	[Video] Entire-Network Deployment on the S380 via Barcode Scanning
	[Video] Deploying an AR Router by Scanning the Barcode
Quick network configuration	[Video] Wizard-based Network Configuration
Manual network configuration	[Video] Creating a Wi-Fi Network
	[Video] Adding Interfaces to VLANs
	[Video] Configuring Subnets
	[Video] Configuring Routes
Project handover	[Video] Getting the Acceptance Report
	[Video] Handing Over a Project
More configurations	
	- Wi-Fi optimization
	[Video] Manually Optimizing a Wi-Fi Network
	[Video] Automatically Optimizing a Wi-Fi Network
	[Video] Configuring Roaming Optimization
	- AP mesh
	[Video] Configuring AP Mesh Networking
	[Video] Aligning AP Antennas
	- Other Wi-Fi functions
	[Video] Changing the Wi-Fi Password
	[Video] Hiding a Wi-Fi Network
	[Video] Configuring Effective Frequency Bands for a Wi-Fi Network
	[Video] Setting a VLAN ID for a Wi-Fi Network
	[Video] Isolating Wi-Fi Users
	[Video] Configuring Band Steering for a Wi-Fi Network
	[Video] Configuring Rate Limiting for a Wi-Fi Network
	[Video] Connecting to a Wi-Fi Network by Scanning the QR Code
	[Video] Wi-Fi Health Check
	[Video] Wireless Blacklist and Whitelist Management
	[Video] Performing a Roaming Test
	[Video] SME Network: Wi-Fi Interference
	[Video] SME Network: Configuring an AP Group
- LAN port	[Video] Configuring an Eth-Trunk Interface
	[Video] Configuring Interface Isolation
	[Video] Enabling or Disabling the PoE Power Supply
	[Video] Enabling or Disabling an Interface
- WAN port	[Video] Configuring the Interface Rate
	[Video] Configuring the Internet Access Mode for WAN Ports
	[Video] Configuring Load Balancing for WAN Ports
	[Video] Switching Between LAN and WAN
- Device management	[Video] Configuring Flow Control on WAN Ports
	[Video] Diagnosing AP Onboarding Failures
	[Video] Turning the AP Indicator On or Off
	[Video] Restoring Devices to Factory Default Settings
- O&M	[Video] Deleting a Device
	[Video] Restarting a Device
	[Video] Upgrading the Device via Mobile Phone
	[Video] Checking Terminal Information
	[Video] Alarm Management
	[Video] Checking the Configuration Delivery Result
	[Video] Testing the Network Speed
	[Video] Checking the Network Topology
	[Video] Performing a Ping Test
	[Video] Testing the Video Speed
	[Video] Managing Wired Cameras
	[Video] AI-Powered Troubleshooting
- Advanced functions	[Video] SME Network: Using Tracert
	[Video] SME Network: AR Panel
	[Video] Quickly Deploying an IPTV Network
	[Video] Configuring the IPTV Network (No-Gateway Networking)
	[Video] Application Assurance
	[Video] Application Restriction
	[Video] DHCP Snooping
	[Video] Binding a Client to an IP Address
	[Video] SME Network: Configuring DHCP to Assign Fixed IP Addresses
	[Video] SME Network: Configuring DHCP Reserved IP Addresses
	[Video] SME Network: Expanding DHCP Address Pool

Configuration guide	[Document] Configuration (Huawei eKit SME Network Center)
Network Deployment	[Video] S380 as the Gateway
	[Video] AR Router as the Gateway
	[Video] Optical Modem as the Gateway
Quick network configuration	[Video] Wizard-based Network Configuration
Manual network configuration	[Video] Adding Interfaces to VLANs
Project handover	[Video] Handing Over a Project
More configurations	
	- LAN port
	[Video] Configuring Interface Isolation
	[Video] Enabling or Disabling an Interface
	[Video] Configuring an Eth-Trunk Interface
	- Wi-Fi
	[Video] SME Network Center: Configuring an AP Group
	[Video] SME Network Center: Configuring DHCP
	[Video] SME Network Center: Configuring Wireless Portal Authentication (Username and Password)
	[Video] SME Network Center: Configuring Wireless Portal Authentication (Passcode Mode)
	[Video] SME Network Center: Configuring Wireless Portal Authentication (Self Service Authentication)
	[Video] SME Network Center: Configuring Wireless Portal Authentication (Anonymous Authentication)

Service Configuration
(by S380 Easy Web)

Local entire-network deployment	[Video] Managing Entire-Network Devices Through the S380
Quick network configuration	[Video] Wizard-based Network Configuration
Device management	[Video] Restarting Devices
	[Video] Restoring Factory Default Settings
	[Video] Adding Devices
	[Video] Deleting Devices

Service Configuration
(by SME Network Product Web)

S380 local web-based operations	[Video] Configuring Internet Access
	[Video] Creating Subnets
	[Video] Configuring NAT
S220&S310&S530 web-based operations	[Video] Creating Service Subnets and Interconnection Subnets
	[Video] Configuring Static Routes
	[Video] Configuring an Eth-Trunk Interface
AR300&AR700 web-based operations	[Video] Configuring Internet Access (PPPoE Dialup)
	[Video] Configuring Internet Access (Static IP Address)
	[Video] Configuring Internet Access (DHCP)
	[Video] Restricting User Online Behaviors
	[Video] Preventing Unauthorized Access Through IP-MAC Address Bindings
	[Video] Guaranteeing Bandwidth for High-Priority Services
	[Video] Limiting the Upload and Download Rates of Each Intranet User

Typical Cases

Mini networking	- Optical Modem + Switch + AP - Gateway + AP	[Document] Wi-Fi-based Deployment [Document] Wi-Fi-based Deployment	[Document] Easy Web-based Deployment
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04 Maintenance & Troubleshooting

Troubleshooting guide

[\[Document\] SME Network Solution Troubleshooting Guide](#)
[\[Document\] S380 Troubleshooting Guide](#)
[\[Document\] SME Network S Switch Troubleshooting Guide](#)

Password and Login

Huawei eKit app-based operations	[Video] Configuring the Login Password
S380 web-based operations	[Video] Logging In to the Web System for the First Time [Video] Changing the Device Password (Entire-Network Configuration)
AR300&AR700 web-based operations	[Video] Logging In to the Web System for the First Time



HUAWEI eKit App

HUAWEI eKit app is a one-stop platform dedicated for subcontractors and installers. It integrates a wide range of functions and resources required by subcontractors and installers, such as device deployment, remote maintenance, product information, quotation tools, scenario-specific solutions, and marketing materials. All these make it a great fit for subcontractors and installers to expand the SME market.

