



**Adam Tas Corridor Energy**

# **Huawei Router Core Switch ACAP**





## Huawei Router Core Switch ACAP

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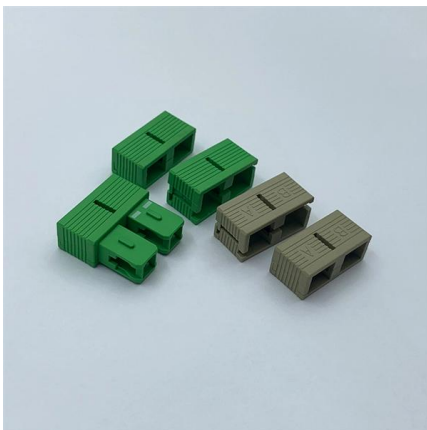


### Huawei AR Series Service Router AR1220 software consisting of

Huawei AR Series Routers are the next-generation routing and gateway devices, which provide the routing, switching, wireless, voice, and security functions. Huawei AR provides a highly secure and

### Core Switch + Access Switch + WAC

"Gateway + Core Switch + Access Switch + WAC + AP" Networking: Local Entire Network Deployment Application Scenarios and Networking Requirements Device Model Selection

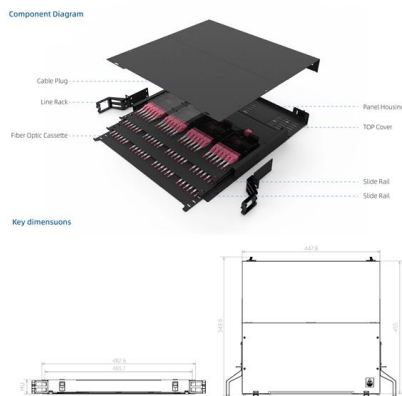


### Gateway + Core Switch

Add interfaces for connecting the access switches and core switch to VLANs. The following uses the interface connecting access switch 2 and the core switch as an example.

### How an AP Joins an AC and Troubleshooting Any Join

Learn how an AP joins an AC and troubleshoot any join failures in this guide.



## Huawei router and switch connection configuration plan, two

So how are Huawei's routers and switches connected in a network? Today, Linknewnet engineers teach you 2 ways.

## Configuring the Core Switch to Connect to the AR Router

Data Plan In this solution, the AR router is used as the egress of the campus network. Table 8-8 lists the data plan for core switch and AR router interconnection.



## SME Network Solution Typical Configuration Examples

"Gateway (AR720) + Core Switch + Access Switch + AP + AR180" Networking: Huawei eKit Cloud Management "Gateway + Core Switch + Access Switch + WAC + AP" Networking: Local Entire



## Native AC Solution: Core Switches Function as the Gateway for Wired

In addition, core switches are configured with the native AC function to manage APs and transmit wireless service traffic on the entire network, implementing wired and wireless convergence.



## Switches

Switches After more than 20 years of unremitting efforts and stable development, Huawei provides extensive experience in Ethernet switches. With multiple

## Configuring the Core Switch to Connect to the AR Router

Background: This solution uses an AR router as the campus network gateway. To enable intranet users to access extranets, the link between the core switch and the AR router must be established.



## Link Aggregation Configuration

Typical QoS Configuration  
Typical Network Management and Monitoring Configuration  
Typical Free Mobility Configuration  
Example for Deploying the NGFW Module and IPS Module on a Switch



### Wi-Fi-based Deployment Cases -Gateway + Core Switch + Access Switch

In addition, the core switch functions as the user gateway. With the wizard-based network configuration function, the interconnection subnet, interconnection VLAN, and route between the core switch and



### H3c, huawei, and ruijie router/switch acap configuration: a

1.H3c, huawei, and ruijie equipment parameter deep dive: the first step in selection and configuration Among the mainstream models for 25 years, h3c magicr6300, huawei ar651, and ruijie

### Core Switch Functioning as the Native WAC

Core Switch Functioning as the Native WAC In the virtualization solution, if a native WAC is required for deploying wireless services, it is recommended that the border node be used as the native WAC.





### **Native AC Solution: Core Switches Function as the Gateway for Wired**

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### **Huawei router and switch connection configuration plan**

As a leading global ICT solutions provider, Huawei's router and switch products play a key role in building advanced network infrastructures. So how are Huawei's routers and switches



### **Core Switch + Access Switch + WAC**

"Gateway + Core Switch + Access Switch + WAC + AP" Networking: S380 Local Entire Network Deployment Application Scenarios and Networking Requirements Device Model Selection

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## Configuring the Core Switch

Configuring the Core Switch Context In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need to be configured on the core



## Native AC Solution: Core Switches Function as the Gateway for Wired

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## "Gateway + Core Switch + Access Switch

"Gateway + Core Switch + Access Switch + WAC + AP" Networking: Local Entire Network Deployment Application Scenarios and Networking Requirements Device Model Selection



## Huawei Technical Support

Find technical support and resources for Huawei products, including guides, updates, and troubleshooting solutions.



### Example for Configuring a Layer 3 Switch to Work with a Router for

Example for Configuring a Layer 3 Switch to Work with a Router for Internet Access Layer 3 Switch Layer 3 switches provide the routing function, which indicates a network-layer function in the OSI

### Standalone AC Solution: Core Switches and ACs Function as the

Aggregation switches set up stacks to implement device-level backup and increase the interface density and forwarding bandwidth. In this example, core switches and standalone ACs function as the



### HUAWEI WiFi AX3 (Quad-Core) Specifications

View all specs of HUAWEI WiFi AX3 (Quad-Core), this router features Wi-Fi 6+, OFDMA multi-user, Chipset Synergy, HUAWEI Share, HUAWEI HomeSec and





## What Is LACP? How Does LACP Work?

This chapter defines Link Aggregation Control Protocol (LACP), introduces related concepts, and provides configuration examples. LACP is a basic feature of Huawei data communications products,



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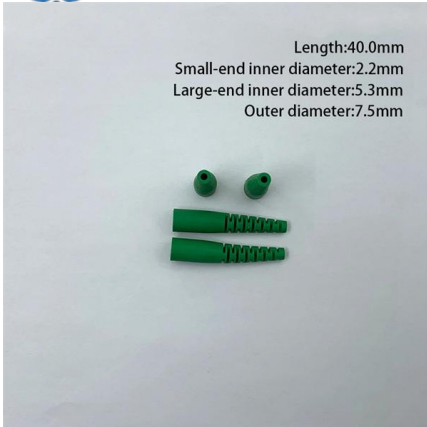
## Link Aggregation Configuration

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide - Ethernet Switching This document describes the configuration of Ethernet services, including configuring link aggregation,



## Wi-Fi-based Deployment Cases -Gateway + Core Switch + Access Switch

With the wizard-based network configuration function, the interconnection subnet, interconnection VLAN, and route between the core switch and the gateway are automatically configured, greatly improving



### Configuring APs to Join a Native WAC (Core Switch)

As shown in Figure 4-9, in the centralized gateway solution, if VXLAN is deployed across core and access layers on the fabric and the core switch functions as a native WAC, an AP joins the



### "Gateway + Core Switch + Access Switch

"Gateway + Core Switch + Access Switch + AP"  
Networking: S380 Local Entire-Network  
Deployment Application Scenarios and  
Networking Requirements Device Model  
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