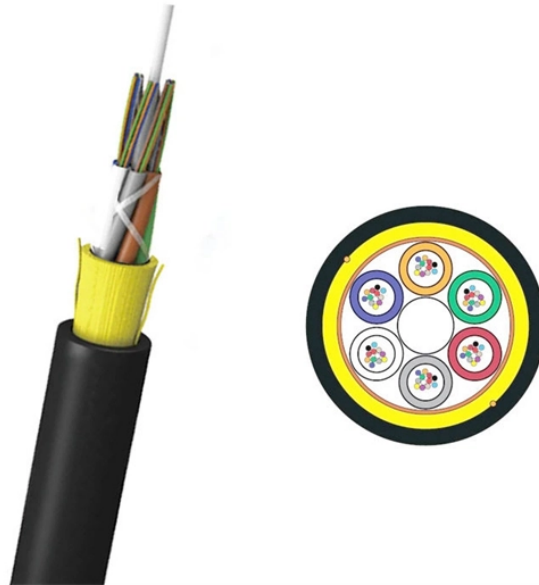


## Huawei SD-WAN Supported Devices



### Overview

Software-Defined Wide Area Network Architectures and Technologies Starting from service challenges faced by enterprise WANs, this publication describes the SD-WAN architecture and technologies and presents the technical implementation, planning, and design of the. Software-Defined Wide Area Network Architectures and Technologies Starting from service challenges faced by enterprise WANs, this publication describes the SD-WAN architecture and technologies and presents the technical implementation, planning, and design of the. Branch without public IP access?

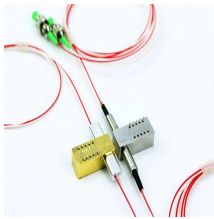
(Video) [Huawei SD-WAN Demo] SaaS Traffic Steering (Video) [Huawei SD-WAN Demo] SD-WAN AR6700V for Multi-Cloud Interconnection: Introduction (Video) [Huawei SD-WAN Demo] SD-WAN AR6700V for Multi-Cloud Interconnection: Experience Assurance (Video) [Huawei SD-WAN. Huawei SD-WAN Solution is a WAN interconnection solution that offers a simplified, flexible, and better service experience. It enables interconnection between branches, between branches and the headquarters/data center, and between branches and the cloud. Please log in to. A Software Defined Wide Area

Network (SD-WAN) implements interconnection among enterprise branches, headquarters, and multiple clouds, and enables applications to select optimal links for data transmission among hybrid links (including MPLS, Internet, 5G, and LTE links), providing high-quality. Huawei's SD-WAN Solution provides powerful networking, a superior user experience, and simplified O&M capabilities, meeting WAN interconnection requirements of enterprises of all shapes and sizes, as well as carriers and service providers. 5G/wired uplinks enable reliable and scalable. With the cloudification of enterprises, enterprises are being forced to find ways to reduce the cost brought by sharp increases in WAN traffic and to solve issues such as poor experience, slow service rollout, and low O&M efficiency caused by masses of applications sharing bandwidth. To address. This document describes Huawei Secure SD-WAN Portfolio Solution in terms of version mapping, solution overview, and detailed configuration guidelines, and provides routine maintenance and common troubleshooting methods. The following five scenarios are included: Secure SD-WAN Portfolio Solution.

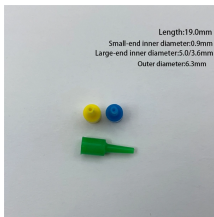
## Huawei SD-WAN Supported Devices



Huawei N1 business model packages independent software from DCN& DCI, campus, and SD-WAN solutions, and device function software for different scenarios. These are sold as a perpetual license ...



Huawei SD-WAN Solution complies with the MEF standard and has the SD-WAN features defined by Gartner. Huawei SD-WAN Solution has a huge selection of software and ...



Huawei SD-WAN Solution is a WAN interconnection solution that offers a simplified, flexible, and better service experience. It enables interconnection between branches, between branches and the ...



Network model: The hub-spoke, full-mesh, partial-mesh, and customized topologies are supported.



SD-WAN: Access product manuals, HedEx documents, product images and visio stencils.



This book starts with the challenges faced by traditional Wide Area Networks (WANs) and then moves on to the standards, advantages and benefits, solution architecture, and key ...



SD-WAN in Industry Standards What Are The Benefits of SD-WAN? What Is The SD-WAN Architecture? How Does SD-WAN Work? How Is SD-WAN Related to Mpls VPNs? How Is SD-WAN Security ensured? How Is SD-WAN Related to Clouds? Different SD-WAN vendors provide different definitions for SD-WAN. The following provides typical SD-WAN definitions in the industry. See more on [info.ppport.huawei.com](http://info.ppport.huawei.com)

**SD-WAN** is a network architecture that uses software-defined networking (SDN) to manage and control network resources. It allows for centralized management and control of network devices, enabling dynamic routing and traffic optimization. SD-WAN is designed to provide a secure, reliable, and cost-effective way to connect multiple sites over a variety of network types, including broadband, MPLS, and wireless.

**Benefits of SD-WAN:**

- Centralized Management:** SD-WAN allows for a single point of control for the entire network, simplifying configuration and management.
- Dynamic Routing:** SD-WAN can dynamically route traffic based on network conditions, ensuring the most efficient path for each application.
- Application-Aware:** SD-WAN can identify and prioritize different types of traffic, ensuring critical applications receive the best quality of service.
- Cost Savings:** SD-WAN can optimize network resources, reducing the need for expensive MPLS services and enabling the use of lower-cost broadband connections.
- Security:** SD-WAN can enforce security policies across the network, protecting data in transit and preventing unauthorized access.
- Cloud Managed:** SD-WAN can be managed and controlled from a central cloud-based controller, enabling remote management and monitoring.

**SD-WAN Architecture:**

The SD-WAN architecture consists of several key components:

- Central Controller:** A central cloud-based controller that manages and controls the network devices.
- Network Devices:** Routers and switches that implement the SD-WAN policies and manage traffic flow.
- Edge Routers:** Routers located at the edge of the network that connect to different service providers and manage traffic to and from the cloud.
- Applications:** Various applications and services that run over the network and are managed by the SD-WAN architecture.

**How Does SD-WAN Work?**

SD-WAN works by using software-defined networking (SDN) to manage and control network resources. The central controller sends policies to the network devices, which then enforce these policies to manage traffic flow. SD-WAN can dynamically route traffic based on network conditions, ensuring the most efficient path for each application. It can also identify and prioritize different types of traffic, ensuring critical applications receive the best quality of service.

**How Is SD-WAN Related to Mpls VPNs?**

SD-WAN and MPLS VPNs are both used to connect multiple sites over a variety of network types. However, SD-WAN is designed to be more flexible and dynamic than MPLS VPNs. SD-WAN can dynamically route traffic based on network conditions, while MPLS VPNs use static routing. SD-WAN can also identify and prioritize different types of traffic, while MPLS VPNs do not.

**How Is SD-WAN Security ensured?**

SD-WAN security is ensured through several mechanisms:

- Encryption:** SD-WAN can encrypt traffic in transit, protecting data from unauthorized access.
- Access Control:** SD-WAN can enforce access control policies, preventing unauthorized users from accessing network resources.
- Monitoring and Logging:** SD-WAN can monitor network traffic and log events, enabling security teams to detect and respond to threats.
- Centralized Management:** SD-WAN's centralized management allows for consistent security policies to be enforced across the entire network.

**How Is SD-WAN Related to Clouds?**

SD-WAN is closely related to clouds because it is often used to connect multiple sites to a central cloud-based controller. SD-WAN can also be used to connect multiple sites to a central cloud-based application. SD-WAN's ability to dynamically route traffic based on network conditions makes it well-suited for cloud environments.

**Different SD-WAN vendors provide different definitions for SD-WAN. The following provides typical SD-WAN definitions in the industry. See more on [info.ppport.huawei.com](http://info.ppport.huawei.com)**



Huawei SD-WAN Solution addresses the issues facing enterprise networks, including closed WAN architectures, difficult service experience guarantee, slow service rollout, and difficult O& M.



Huawei SD-WAN offers application-level routing and acceleration, open uCPEs, and visualized O& M on the cloud. Discover our SD-WAN solutions.



In addition, the SD-WAN solution supports on-demand networking, dynamic tunnel establishment, and multiple networking models to flexibly adapt to network adjustment and changes in different service ...



After reading this publication, you will have grasped how automated and intelligent campus networks are built, as well as how to address various challenges encountered during SD-WAN network construction.

## Contact Us

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