

Huawei SD-WAN N1 Business Model

The SD-WAN N1 business model combines the NCE controller, and NetEngine AR gateway software for use in a range of common scenarios. N1 business mode simplifies transactions, provides customers with more functions and value, and protects their software investment with Software License Portability.

Huawei N1 Business Model

IDN One Software (N1) business model is applicable to data center networks, campus, SD-WAN, and security solutions, providing enterprise customers with a simple, efficient, and flexible experience, driving network innovation in the digital era.

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 (with SnS), providing a simple method of purchase, efficient investment, and flexible migration.

- **Simplified purchase:** The N1 business model has two scenario-based software packages (Foundation and Advanced) and optional add-on function packages. The N1 business model is cost-efficient and simple to purchase.
- **Efficient investment:** New features in the N1 software package can be obtained directly. No extra purchases are required within the SnS validity period.
- **Flexible migration:** The N1 software package is decoupled from hardware. When hardware is replaced, the N1 software package can be migrated to new hardware without purchasing new software, protecting customers' investment.

Overview of SD-WAN N1 Business Model

The SD-WAN N1 business model is the new business model of Huawei's SD-WAN solution. It packages the SD-WAN@AC-Campus controller and NetEngine AR gateway software for different scenarios, and is sold as a perpetual license (with SnS). The N1 business model helps customers purchase the appropriate software functions for their scenario, and to meet the requirements of current and future service development. SnS ensures continuous investment, providing more functions and more value for customers.

NOTE

SD-WAN N1 mode is only applicable to the NetEngine AR series, include AR6300, AR6200, AR6100, and AR600 series. It is not applicable to the AR G3 series. The AR G3 will retain the ordering mode due to the upcoming EOM and will not evolve to the N1 mode.

Software Package Functions

SD-WAN N1 software packages include mandatory software packages for common scenarios and optional function packages.

Mandatory Software Packages for Common Scenarios

- **Foundation package:** Foundation software package includes SD-WAN basic functions, meet service automation and intelligent O&M requirement of WAN network, optimize service experience.
 - Centralized management, ZTP deploy
 - Routing, ACL, QoS, NAT (Underlay/Overlay)
 - Hub Spoke/full Mesh/Partial Mesh
 - Overlay VPN
 - Application identification and visible, intelligent route
 - Local break out and Security, ASPF Firewall, IPS, URL Filter
 - IaaS: Huawei Cloud, AWS manually
 - FEC
- **Advanced package:** Not involved in V1R19C00 & V1R19C10 release.

Add-on Function Packages: Not involved in V1R19C00 & V1R19C10 release.

SD-WAN N1 Order List and Software License Portability Scope

Series	Model	Description	Applicable Model	Software License Portability Scope
NetEngine AR6300	N1-SDWAN-F-AR6300	N1 SD-WAN Foundation,AR6300,Per Device	NetEngine AR6300 series	NetEngine AR6300 series
	N1-SDWAN-F-AR6300-SNS1Y	Subscription And Support,1 Year,N1 SD-WAN Foundation,AR6300,Per Device(Annual fee validity period : 1 year from " PO signed plus 90 days ")		
NetEngine AR6200	N1-SDWAN-F-AR6200	N1 SD-WAN Foundation,AR6200,Per Device	NetEngine AR6200 series	NetEngine AR6200 series
	N1-SDWAN-F-AR6200-SNS1Y	Subscription And Support,1 Year,N1 SD-WAN Foundation,AR6200,Per Device(Annual fee validity period : 1 year from " PO signed plus 90 days ")		
NetEngine AR6100	N1-SDWAN-F-AR6100	N1 SD-WAN Foundation,AR6100,Per Device	NetEngine AR6100 series	NetEngine AR6100 series
	N1-SDWAN-F-AR6100-SNS1Y	Subscription And Support,1 Year,N1 SD-WAN Foundation,AR6100,Per Device(Annual fee validity period : 1 year from " PO signed plus 90 days ")		

Series	Model	Description	Applicable Model	Software License Portability Scope
NetEngine AR600	N1-SDWAN-F-AR600	N1 SD-WAN Foundation,AR600,Per Device	NetEngine AR600 series	NetEngine AR600 series
	N1-SDWAN-F-AR600-SNS1Y	Subscription And Support,1 Year,N1 SD-WAN Foundation,AR600,Per Device(Annual fee validity period : 1 year from " PO signed plus 90 days ")	NetEngine AR600 series	NetEngine AR600 series

All the preceding N1 software packages are provided as a perpetual license (with SnS) and can only be migrated within the SnS validity period.

NOTE

Software License Portability: Subject to the defined product list and scope of the portability hereunder and conditioned upon Your compliance with License Portability Limitation below, Huawei grants to You the right, during the term of the license, to transfer the Software and the associated license entitlement from one Hardware product to another of the same Model Hardware product or its designated successor Hardware product (if any) within the same product family, provided that (1) You have purchased and maintained an Software SnS (Subscription and Support) contract without interruption and (2) the Hardware products were purchased from an Approved Source and are owned by You.

SnS

SNS Definition and Content

The software subscription and support (SnS) is a maintenance and assurance service provided by a supplier for buyers or end users who purchase the products of the supplier. The supplier shall provide remote troubleshooting, software updates and upgrades, and online self-service according to the annual fee paid by the buyer.

- Remote troubleshooting: After receiving the software fault report, the engineer of the supplier analyzes and handles the fault remotely to promptly rectify the fault. Remote troubleshooting can be conducted by telephone and remote access.
 - Telephone support: After receiving a service request, the engineer of the supplier will respond to the customer with a phone call within the time specified in the service level agreement (SLA) and will help analyze, diagnose, and locate the problem. The engineer then provides a solution and guides the buyer through it.
 - Remote access: If the problem cannot be handled through telephone support, the engineer of the supplier will log in to the faulty device through a remote terminal to locate the problem and collect data only after obtaining the buyer's permission. After analyzing the cause, the engineer proposes a solution and guides the customer through it. If necessary, the engineer will operate the device remotely.
- Software update and upgrade: The supplier shall provide the buyer with licenses to download updates and upgrades, including software patches, software updates, software maintenance versions, new software features, and software upgrade versions, to ensure that the application software purchased by the buyer always has the optimal performance and meets more application scenarios and higher service requirements, continuously bringing benefits to the buyer. The buyer can also obtain software from the supplier's technical support website and the supplier will provide remote guidance for software installation. If the buyer needs to provide version update or upgrade services, the buyer needs to purchase corresponding service products.
- Online self-help service: The supplier's website provides technical materials about products, such as product manuals, configuration guides, networking cases, and maintenance practices. After obtaining website access, the buyer can download documents, obtain up-to-date maintenance practices and skills, and learn about the latest products.

Learn More

For more information about the Huawei enterprise WAN network domain, visit <https://e.huawei.com/cn/solutions/business-needs/enterprise-network/SD-WAN> or contact the local Huawei sales office.


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- Global branches: <http://e.huawei.com/en/service-hotline>
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