

Arista Software License Framework

Arista licensing for software offerings span across physical devices, virtual software platforms, on-prem and cloud based management offerings via EOS, CloudEOS, CloudVision, CloudVision WiFi, Converged Cloud Fabric, DANZ Monitoring Fabric MOS software and Awake Network Detection & Response. The licensing model is designed to provide flexibility and consistency, both in the choice of the appropriate feature functionality and in the software consumption model.

This document serves as a guide to the license consumption models (perpetual and subscription) as well as a mapping of Arista license SKUs to the products on which they operate and the features they include.

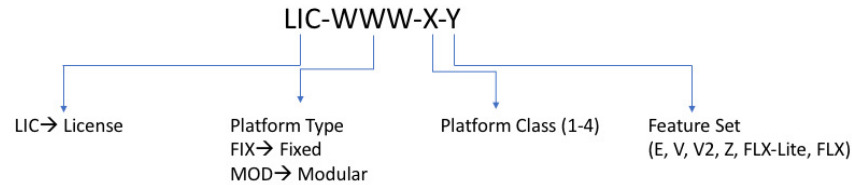
Arista software licenses are perpetual, unless a term is mentioned in the SKUs. Perpetual licenses are not transferable among products without written authorization from Arista.

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- Arista EOS Encryption
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EOS Software Licenses for Arista Fixed and Modular portfolio

EOS license SKUs provide the right to use advanced features on Arista switching and routing platforms and cover a variety of use cases in data center, routing, campus etc. These licenses are perpetual and applied on a per-device basis. These generally have the following format - LIC-WWW-X-Y, which translate as follows:



Licenses are first divided into fixed and modular platforms categories and then further divided into tiers based on the platform capacity, bandwidth, scalability etc of the platforms, then finally divided by the feature set included in the license. This subdivision is explained as follows:

Fixed Switching Platforms (FIX-X)

The perpetual license on Arista fixed configuration switches are subdivided into platform classes 1, 2, 3, 4, or MG based on the various attributes such as chip capacity, system features, port speeds, etc.

Modular Switching Platforms (MOD-X)

EOS perpetual licenses for modular switches are based on the total number of line card slots. Each of the licenses are subdivided into the following platform classes:

- X=1: modular switches with 4 line card slots
- X=2: modular switches with 8 line card slots
- X=3: modular switches with 12 line card slots
- X=4: modular switches with 16 line card slots

Feature Sets (-Y)

Arista EOS offers a broad range of advanced features as mapped to the feature sets in the table below.

E	FLX Lite	FLX	V2	Z
<ul style="list-style-type: none"> • Dynamic Routing Protocols: OSPF/v3, BGP, MP-BGP, ISIS • PIM (SM, BSR, MBR) • Anycast RP • Up to 256K routes • VXLAN Bridging + Routing • GRE Tunnels • Network Address Translation (NAT) 	<ul style="list-style-type: none"> • Dynamic Routing Protocols: OSPF, OSPFv3, BGP, MP-BGP, ISIS • PIM (SM, BSR, MBR) • Anycast RP • Network Address Translation (NAT) • VXLAN Bridging + Routing • EVPN for VXLAN (L2/L3) • Up to 256K Routes • MPLS (LDP, Segment Routing) 	<ul style="list-style-type: none"> • Dynamic Routing Protocols: OSPF, OSPFv3, BGP, MP-BGP, ISIS • PIM (SM, BSR, MBR) • Anycast RP • Network Address Translation (NAT) • VXLAN Bridging + Routing • EVPN for VXLAN (L2/L3) • 256K to 2M routes • >24K Access Control Lists (ACLs) • MPLS (LDP, Segment Routing) • EVPN for MPLS, MPLS Pseudowires • BGP-LU, L3VPN, RSVP-TE, FRR, TI-LFA, SR-TE 	<ul style="list-style-type: none"> • Extensions (RPMs, VMs, Containers) • Tracers (VMTracer, Container, MapReduce, Nutanix) • Macro Segmentation Service (PaloAlto, Fortinet, Checkpoint*) • Micro-Segmentation Integration for bare metal* (VMware NSX-T) • OVSDB SDN Controller Integration (VMware NSX-V) • VxLAN Control Services (VCS) • Openstack controller integration • Exchange Point for MCS for M&E • Analytics with Splunk 	<ul style="list-style-type: none"> • Zero Touch (ZTP) • OpenConfig • APIs (eAPI) • Openflow • Direct Flow Assist • Latency Analyzer (LANZ) • DANZ – Advance Mirroring / Tap Agg • Time-Stamping • State Streaming • Inband Telemetry (INT)
BASE L2 Protocols, MLAG, Static Routing, RIPv2, Advanced Event Monitor (AEM), Linux tools & services, SNMP & device mgmt, VRFs, QoS, Control Plane Security Features, DirectFlow				

*Roadmap

Note: a 'V' license is a feature license maintained for historical purchases and allows the right to use the following functions—VMTracer and VXLAN (without VXLAN Control Service (VCS)).

Specific mapping of the license classes to platforms are shown in the tables below. These include fixed platforms supporting 10G and higher speeds, fixed platforms supporting 1G/ mG and lower speeds as well as modular platforms.

Table 1. The table below identifies the specific mapping of the fixed license classes to the Arista fixed switch models with 10G and higher speed front panel ports.

LIC-FIX-1-Y*	LIC-FIX-2-Y*	LIC-FIX-3-Y*	LIC-FIX-4-Y*
7150S-24	7250QX-64	7060PX4-32	7280CR2M-30
7150SC-24-CLD	7260QX-64	7060DX4-32	7280CR-48
7020SR-24C2	7280QR-C36	7368X4	7280CR2-60
7020SRG-24C2	7280QRA-C36S	7260CX-64	7280CR2A-60
7020SR-32C2	7150S-52	7260CX3-64	7280CR2K-60
7050TX-48	7150S-64	7260CX3-64E	7280PR3-24
7050SX3-48C8	7150SC-64	7280QR-C72	7280PR3K-24
	7050QX-32	7280CR2A-30	7280DR3-24
	7050QX-32S	7280CR2K-30	7280DR3K-24
	7050QX2-32S	7170-64C	7280CR3-96
	7050SX-64	7280CR3-32P4	7280CR3K-96
	7050SX-72Q	7280CR3K-32P4	
	7050SX2-72Q	7280CR3-32D4	
	7050SX2-128	7280CR3K-32D4	
	7050SX3-48YC12	7280CR3MK-32P4-F	
	7050SX3-48YC8	7280CR3MK-32D4-F	
	7050SX3-96YC8		
	7050TX3-48C8		
	7050CX3-32S		
	7050CX3M-32S		
	7170-32C		
	7170-32CD		
	7050TX-64		
	7050TX-72Q		
	7050TX-128		
	7050TX2-128		
	7280SE-64		
	7060SX2-48YC6		
	7060CX-32S		
	7060CX2-32S		
	7280SR-48C6		
	7280SRA-48C6		
	7280SRAM-48C6		
	7280SR2-48YC6		
	7280SR2K-48C6		
	7280SR2A-48YC6		
	7280SRM-40CX2		
	7280TR-48C6		
	7280TRA-48C6		
	7280SR3-48YC8		
	7280SR3K-48YC8		
	7160-32CQ		
	7160-48YC6		
	7160-48TC6		

*Where "Y" can be FLX, FLX-L, E, V, V2, or Z.

Table 2: The table below shows the mapping of the license product number to the Arista 1G/mG Gigabit switches.

LIC-FIX-G-X*	LIC-FIX-G-E	LIC-7048-V**	LIC-FIX-G-V2
7020TR-48	7020TR-48	7020TR-48	7020TR-48
7020TRA-48	7020TRA-48	7020TRA-48	7020TRA-48
CCS-720	7010T	7010T	7010T
	CCS-720	CCS-720	CCS-720

* Where X can be FLX or FLX-L; Z license is included with platform for 1G/mG switches

Table 3: The table below shows the mapping of the modular license classes to the Arista modular switch models

LIC-MOD-1-Y*	LIC-MOD-2-Y*	LIC-MOD-3-Y*	LIC-MOD-4-Y*
7504E	7508E	7512R	7516R
7504R	7508R		
7304X	7308X		
7304X3	7308X3		
7324X	7328X		

* Where Y can be FLX, FLX-L, E, V, V2, or Z.

Table 4: The table below shows the mapping of the modular license classes to the Arista 1G/mG modular switch models.

LIC-MOD-G-Y*
CCS-750

* Where Y can be FLX-L, E, or V2; Z license is included with platform for 1G/mG switches

Licenses to Enable Encryption

Additional perpetual licenses are required on platforms offering encryption services, such as MACSEC and IPSec. The MACSEC encryption capability is offered on both fixed and modular platforms via the licensing scheme described below.

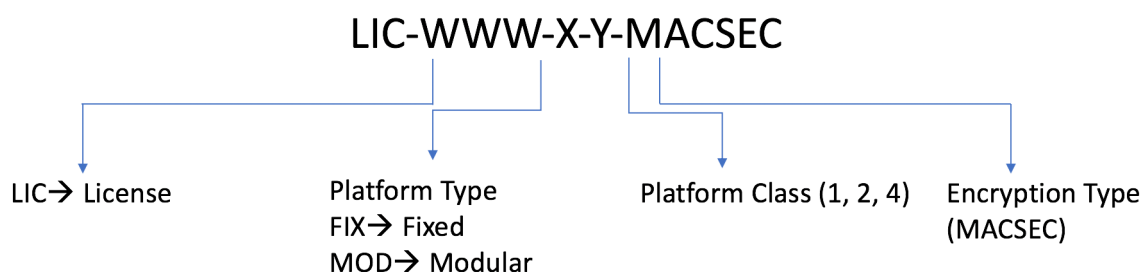
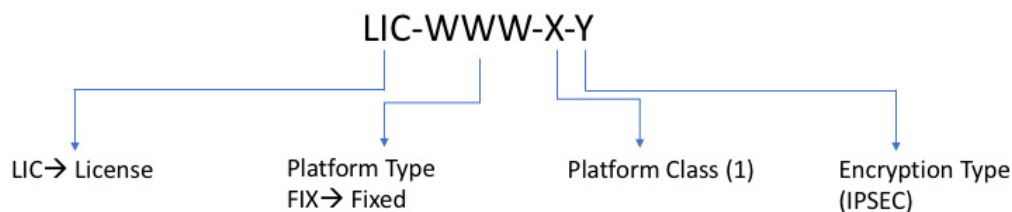


Table 5: The table below shows the mapping of the license product number to the Arista switches capable of offering MACSEC encryption. MACSEC capability on modular platforms is delivered via the following line cards: DCS-7500R2AM-36CQ-LC, DCS-7500R2M-36CQ-LC, DCS-7500RM-36CQ-LC. The license is tied to the chassis only.

LIC-FIX-X*-MACSEC	LIC-MOD-Y*-MACSEC
DCS-7280CR2M-30	DCS-7504
DCS-7280SRM-40CX2	DCS-7508
DCS-7280SRAM-48C6	DCS-7512
DCS-7050CX3M-32S	DCS-7516

MACSEC capability on modular platforms is delivered via the following line cards: DCS-7500R2AM-36CQ-LC, DCS-7500R2M-36CQ-LC, DCS-7500RM-36CQ-LC. The license is tied to the chassis only.

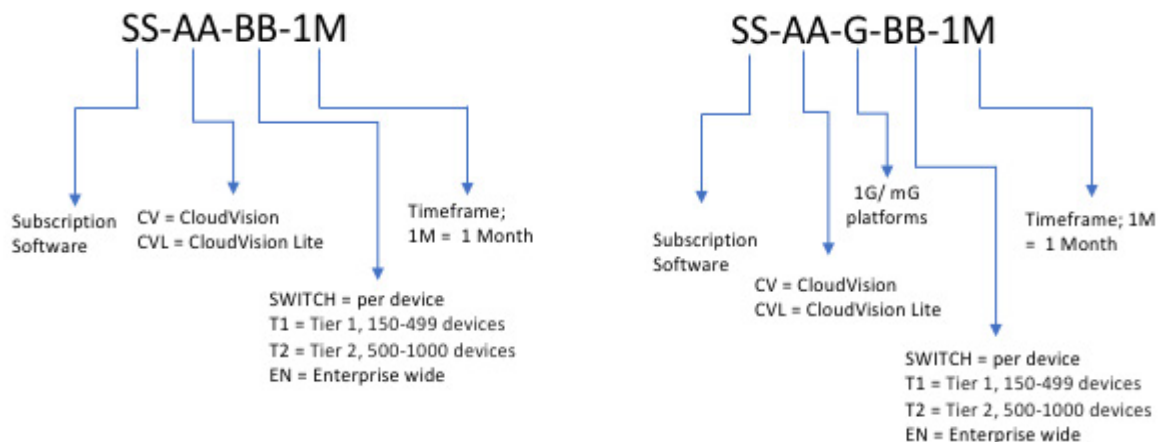
The IPSec solution is offered for fixed form factor platforms. The license is perpetual and the scheme is as follows.



IPSec Encryption is licensed with the form Y=IPSEC (hardware-based) or EOS-IPSEC (encryption via software).

Arista CloudVision

CloudVision Licenses are subscriptions that include software and support for managing a particular device or instance over a given term. CloudVision license SKUs generally have the following format - SS-AA-BB-1M or SS-AA-G-BB-1M, which translate as follows:



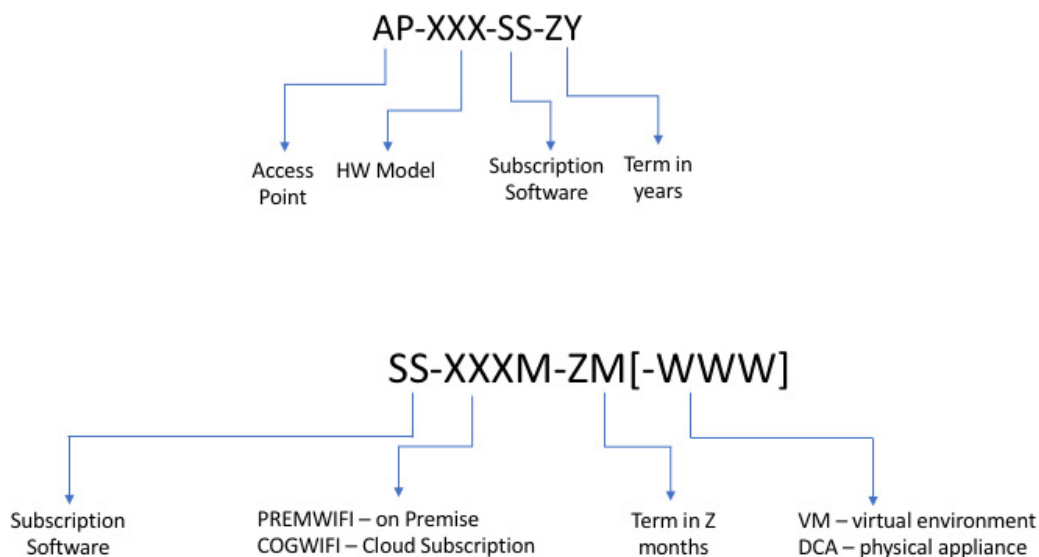
CloudVision provides the premier feature set, including full analytics, telemetry, provisioning, and the Z and V2 features otherwise licensed with EOS as above. CloudVision Lite is a subset of the premier capabilities, providing a functional graphical user interface (GUI) for base visibility and network management. The feature sets for these licenses are defined below.

CloudVision Lite	CloudVision
<ul style="list-style-type: none"> • Provisioning: Zero Touch Provisioning, Config/Image Management, Change Controls • Inventory: Device Inventory, Endpoint Inventory, Base Topology View • General: Base APIs, State-streaming, User controls 	<ul style="list-style-type: none"> • All CV Lite Features • Telemetry: Device Views, Metrics Views, Topology Overlays, Snapshots, Diff Views • Compliance Checking, Dashboard, Bug Visibility • Advanced: Search, Notifications, Partner Integ, V2+Z • Analytics: Events, Device Analyzer, Flow/INT • Use-cases: Wired + Wireless, TapAgg Multi-switch

Note: BB=S150 (up to 150 switches) and S500 (up to 500 switches) were replaced by the above tiers.

CloudVision WiFi

Arista CloudVision WiFi License is a software subscription that includes the software and support for managing a particular access point for a given term. The software is available via a cloud service delivery model as well as via an on-premises offering. The SKUs generally have the following formats – AP-XXX-SS-ZY, for access point hardware with a bundled CloudVisionWiFi Subscription, or SS-XXXM-ZM[-WWW], which has the following format:

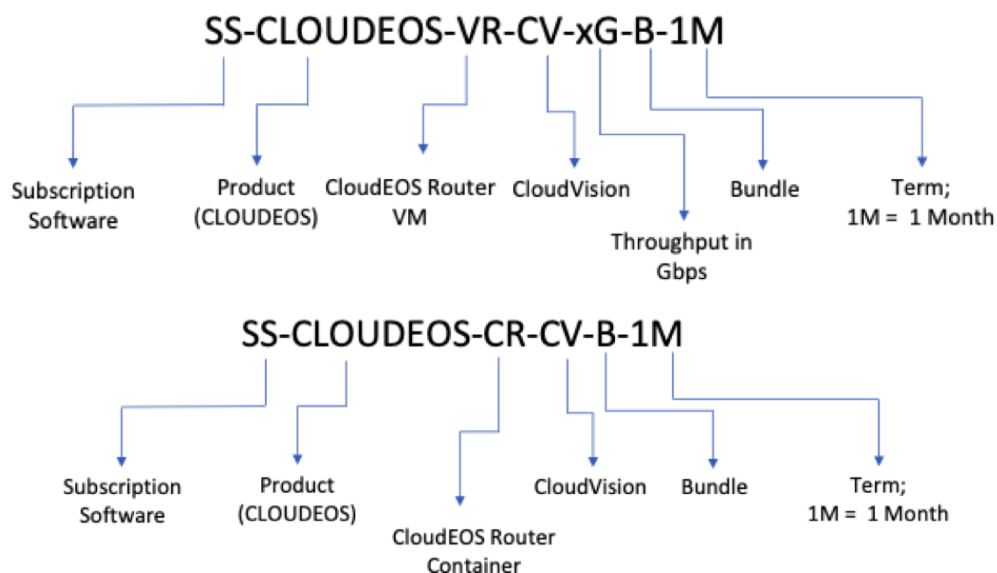


In both cases, the license is for the configuration and monitoring for one access point by the associated CloudVision WiFi system for the duration specified. There are currently no tiers or optional features requiring additional licenses.

Arista CloudEOS Router

CloudEOS Router VM/ Container license SKUs provide a bundled software subscription that includes CloudEOS software for VM and Container as well as CloudVision software and support in a term-based SKU. The product SKUs generally have the following format:

SS-CLOUDEOS-VR-CV-xx-B-1M, which translate as follows:



Note: vEOS Router license SKU (SS-VEOSR-IPSEC-XXXM-1M) is end of sale and is no longer available for purchase

Arista EOS as a Subscription (EaaS)

To provide flexibility for managing Capex and Opex spend, Arista EOS software is available as a subscription for a limited number of platforms. EOS software is licensed as a monthly subscription, when procured in conjunction with the platform from the select list. EOS subscription software cannot be used to run on any other Arista models, or on platforms procured via third party without Arista consent. EOS subscription software cannot be used to run on platforms procured in the grey market. The following license SKUs are available for EaaS.

SS-EOS-Enh-FIX1-1M

EOS Subscription for 1-Month includes EOS E/V/Z/FLX-LITE Licenses and ACare support for 1RU systems

SS-EOS-Enh-FIX2-1M

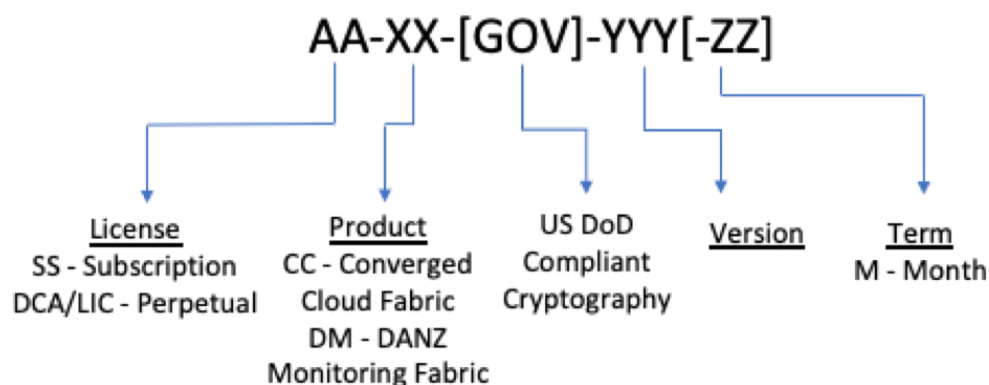
EOS Subscription for 1-Month includes EOS E/V/Z/FLX-LITE Licenses and ACare support for 2RU systems

Arista MOS Software

The Arista 7130 Series products include license to Arista MOS, which provides system monitoring, FPGA image management, and other critical resources to allow developers to concentrate on their core application value. There are no separate SKUs.

Arista Converged Cloud Fabric and DANZ Monitoring Fabric

Arista Converged Cloud Fabric and DANZ Monitoring Fabric offerings are the latest addition to Arista's software suite. These licenses are available in a perpetual license either included with purchased hardware (DCA SKUs) or as a separate license SKU (LIC) or in a subscription license (SS) format.* Perpetual license SKUs require a separate support purchase (A-Care), while subscription software SKUs include support.



Product (XX). The SKUs relate to either Arista's Converged Cloud Fabric (CC) or DANZ Monitoring Fabric (DM).

GOV. The optional GOV segment indicates whether or not the software supports US Department of Defense compliant cryptography.

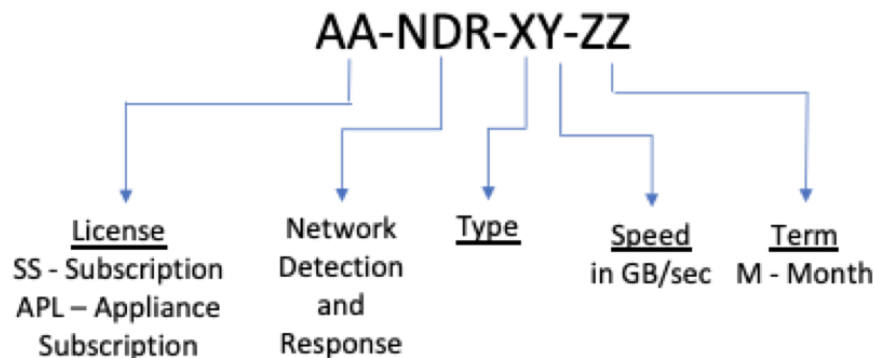
Version (YYY digits). The Converged Cloud Fabric and DANZ Monitoring Fabric software offerings vary according to use case and often have different tiers available as set forth in the table below.

S1G	1 Switch Operating System (OS) up to 100G bandwidth
SBP	1 Switch OS up to 600G (base performance)
SSP	1 Switch OS up to 2000G (standard performance)
SXP	1 Switch OS up to 3200G (extra performance)
SXP2	1 Switch OS up to 6400G (extra performance 2)
VS	Virtual Switch
CY[YY]	C=Controller, for hardware (digits after "C" not relevant)
CVMM	C=Controller, VMM=Virtual Machine (up to 12 racks)
CVMS	C=Controller, VMS=Virtual Machine (up to 4 racks)
CVM	C=Controller, Virtual Machine
SY[Y]	S=Service Node, (digit(s) after "S" not relevant)
RA3	R=Recorder Node, HWA3
AA2	A=Analytics Node, OSA2
RISLN	R=Recorder Node, managed Isilon license (upto 500TB storage)

*Note: Purchases of SS-DM- and SS-CC- SKUs are non-cancelable and non-refundable.

Awake Network Detection and Response (NDR) Products and Services

Arista offers a network monitoring and security platform through its subsidiary, Awake Security. The A.I.-based software platform operates on a physical appliance or set of physical appliances. The hardware can be purchased with a SKU having the DCA- prefix and a format of DCA-NDR-XY, where X is A (All-in-One), NB (Nucleus), or S (Sensor) and Y is a number indicating a maximum Gb/s rate (currently 1, 5, or 10). The software is licensed under the following SKU format:



Licenses for the NDR software are available in software only subscription (SS).

The type field refers to the following:

A	An All-In-One Subscription License
N / NB	A Nucleus Subscription License
S	A Sensor Subscription License
SCA	A Virtual AWS Sensor Subscription License
SCG	A Virtual GCP Sensor Subscription License
SVV	A Virtual ESXI Sensor Subscription License

Arista's A-Care support is included with all SS.

**Note: Purchases of SS-NDR- SKUs are non-cancelable and non-refundable.*

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