

ORDERING GUIDE

ARUBA CX SWITCH LICENSE SUBSCRIPTION

ABOUT ARUBA CX SWITCHES

Aruba CX Switches connect, protect, and simplify your network bridging users, applications, and mission critical data. With intuitive tools and built-in analytics, CX switches cut the complexity of IT, reduce time spent troubleshooting, and create a foundation for new technologies and future business.

Built on cloud-native principles, the CX switch portfolio gives IT the flexibility to deploy a single switch operating system on a wide variety of hardware platforms to deliver the performance, flexibility and connectivity for edge access to the data center that supports intuitive management tools, smart automation, and distributed analytics that transform the IT network operator experience.

As part of Aruba's Edge Services Platform (ESP), Aruba CX switches play a foundational role in the Unified Infrastructure. Automation, embedded analytics, high availability, and secure segmentation are designed into CX switches with Aruba Central delivering a unified, single view of the network that maximizes operational efficiency across enterprise networks.

AOS-CX SOFTWARE OVERVIEW

AOS-CX is a modern, database-driven operating system that automates and simplifies many critical and complex network tasks. A built-in time series database enables customers and developers to utilize software scripts for historical troubleshooting, as well as analysis of past trends. This helps predict and avoid future problems due to scale, security, and performance bottlenecks. Because AOS-CX is built on a modular Linux architecture with a stateful database, our operating system provides the following unique features:

- Easy access to all network state information for unique visibility and analytics
- REST APIs and Python scripting for fine-grained programmability of network tasks

- A micro-services architecture that enables full integration with other workflow systems and services
- Continual state synchronization that provides superior fault tolerance and high availability
- Near real-time state and resiliency and the ability to independently upgrade individual software modules for higher availability
- All software processes communicate with the database rather than each other, ensuring near real-time state and resiliency and allowing individual software modules to be independently upgraded for higher availability

AOS-CX software features are organized into a perpetual, no-cost CX Foundation license and an optional, term-based CX Advanced license that can be consumed standalone or combined with an Aruba Central Advanced License.

ARUBA CENTRAL LICENSES FOR CX SWITCHES

Aruba Central is an AI-powered solution that simplifies IT operations, improves agility, and reduces costs by unifying management of all network infrastructure--from branch to data center, wired and wireless LAN to WAN. Available as a cloud-based or on-premises solution, Aruba Central is designed to simplify day zero through day two operations with streamlined workflows for tasks such as virtual switch stack creation, automated monitoring using AI-powered insights and NAE, as well as a unified view of all devices and users, both wired and wireless.

An **Aruba Central Foundation** license subscription enables comprehensive switch management capabilities that include configuration, onboarding, monitoring, troubleshooting, and reporting. An **Aruba Central Advanced** license expands these capabilities with premium security and AIOps, including the Aruba Central NetConductor Fabric Wizard and Policy Manager to enable dynamic segmentation and distributed enforcement at a global scale.



With the Aruba Central Advanced license there is no need to purchase a CX Advanced license. This streamlines operational efficiency, reducing the need for your IT team to keep track of multiple licenses, active terms, and renewal dates.

For more information on Aruba Central licensing, see the [Aruba Central SaaS Subscription Ordering Guide](#).

ARUBA CX FOUNDATION LICENSE (EMBEDDED)

Every Aruba CX switch includes an active, embedded CX Foundation license at no additional cost, with everything needed to deploy, connect, and troubleshoot an enterprise network. While switch software features will vary per product family, the following are generally included in the CX Foundation license.

- **Automated Monitoring and Diagnostics**
- **Dynamic Segmentation**
- **Switch Stacking**
- **High availability and resiliency**
- **Quality of Service (QoS)**
- **Layer 2 Switching**
- **Layer 3 Services and Routing**
- **IP Multicast**
- **Network Security**
- **Aruba NetEdit support**

A full list of native software features and services accessible through the CX Foundation license is available in each CX switch family datasheet.

ARUBA CX ADVANCED LICENSE (STANDALONE)

Aruba CX switches may have their software license upgraded to CX Advanced on a separate and standalone basis for a 1-/3-/5-/7-/10-year term. By doing so, customers can unlock visibility and assurance benefits for their business.

The Aruba CX Advanced license includes **Aruba CX Edge Insights** for CX 6300 and CX 6400 switches, offering deep visibility with application recognition, identification, and flow capture from layer 4 to layer 7. CX Edge Insights enables granular datapoint collection with search, sort and reporting as well as the ability to recognize 22 categories and more than 3700 applications.

For Aruba CX 8xxx and 9xxx switches, a CX Advanced license will enable Container Infrastructure capabilities to host HPE certified applications for flexible and reliable IT services at a future date.

ARUBA CX ADVANCED AND PREMIUM LICENSE FOR CX 10000 (STANDALONE)

The CX 10000 requires an additional Aruba CX Advanced license to extend the CX Foundation network features with distributed, accelerated stateful firewall and pervasive telemetry services.

The CX 10000 can further be upgraded with the Aruba CX Premium license that includes all CX Foundation and Advanced functionality and adds accelerated IPSec VPN Encryption, NAT, and additional network and security services at a future date.



ARUBA CX SOFTWARE FEATURE TABLE

Feature	Platforms	Aruba CX Foundation (Embedded in Switch)	Aruba CX Advanced ²	Aruba CX Premium ²
IPSec VPN Services¹ Secure end-to-end encryption for site-to-site and multi-cloud enterprise and service provider connectivity.	CX 10000			
Scalable Network Address Translation Services¹ Private to public IP address translation at scale. Stateful NAT for dual-stack IPv4/IPv6 deployments	CX 10000			
Distributed Stateful East-West Firewall Accelerated stateful firewall for east-west traffic, zero-trust segmentation	CX 10000			
Pervasive Visibility and Ecosystem Integration Firewall logging and per-packet IPFIX telemetry streaming to XDR platforms increasing detection/response capabilities.	CX 10000			
Container Infrastructure¹ Host HPE certified applications for flexible and reliable IT services.	CX 10000, CX 9300, CX 8400, CX 8360, CX 8325, CX 8320			
Aruba CX Edge Insights Deep visibility with application recognition, identification, and flow capture from layer 4 to layer 7.	CX 6400, CX 6300			
Automated Monitoring and Diagnostics Use tools like IPFix, Traffic Insights and the Aruba Network Analytics Engine (NAE) for enhanced network health visibility, telemetry, troubleshooting, analysis, and reporting.	All CX Platforms			
Dynamic Segmentation Seamless mobility, consistent policy enforcement, and automated configurations for wired and wireless clients across networks.	All CX Platforms			
Switch Stacking and Clustering Streamlined simplicity and scalability with single chassis behavior for configuration and management.	CX 10000, CX 9300, CX 8400, CX 8360, CX 8325, CX 8320, CX 6400, CX 6300			
High availability and resiliency Hot swappable parts for modular switches, Always-on PoE, VRRP, LACP, ERPS, VSX live upgrades ³ , and Hot-Patching support.	CX 10000, CX 9300, CX 8400, CX 8360, CX 8325, CX 8320, CX 6400, CX 6300			

¹ Supported in a future software release

² An Aruba CX Advanced License or CX Premium License is required for the CX 10000

³ VSX live upgrades not available for CX 6300 switches



ARUBA CX SOFTWARE FEATURE TABLE (CONTINUED)

Feature	Platforms	Aruba CX Foundation (Embedded in Switch)	Aruba CX Advanced	Aruba CX Premium
Quality of Service QoS support with traffic prioritization capabilities like strict priority queuing, Layer 4 prioritization, Class of Service (CoS) priority tagging, rate limits, Egress Queue Shaping (EQS).	All CX Platforms	●	●	●
Layer 2 Switching Includes VLAN, VXLAN, EVPN, RPVST+, MVRP, BPDU, STP, and IGMP.	All CX Platforms	●	●	●
Layer 3 Services and Routing Includes OSPF, RIP, BGP, and MPLS*. *(CX 6400 only).	CX 10000, CX 9300, CX 8400, CX 8360, CX 8325, CX 8320, CX 6400, CX 6300	●	●	●
IP Multicast Services Discovery, load-sharing, redundancy, and protocol independent multicast and convergence capabilities.	All CX Platforms	●	●	●
Network Security Includes access control, secure certificate enrollment, RADIUS, TACACS+, control plane policing, MAC authentication, ICMP throttling, Dynamic ARP, SSL encryption, RadSec, and PVLAN.	All CX Platforms	●	●	●
Aruba NetEdit support Switch configuration automation and orchestration with search, validation, deployment and audit capabilities.	All CX Platforms	●	●	●

ARUBA CX LICENSE ORDERING SKUS

SKU	SKU Description
S0T76AAE	Aruba CX Soft 63xx Sw Adv 10y E-STU
S0T77AAE	Aruba CX Soft 63xx Sw Adv 1y E-STU
S0T78AAE	Aruba CX Soft 63xx Sw Adv 3y E-STU
S0T79AAE	Aruba CX Soft 63xx Sw Adv 5y E-STU
S0T80AAE	Aruba CX Soft 63xx Sw Adv 7y E-STU
S0T81AAE	Aruba CX Soft 64xx Sw Adv 10y E-STU
S0T82AAE	Aruba CX Soft 64xx Sw Adv 1y E-STU
S0T83AAE	Aruba CX Soft 64xx Sw Adv 3y E-STU
S0T84AAE	Aruba CX Soft 64xx Sw Adv 5y E-STU
S0T85AAE	Aruba CX Soft 64xx Sw Adv 7y E-STU
S0T86AAE	Aruba CX Soft 8/9xxx Sw Adv 10y E-STU
S0T87AAE	Aruba CX Soft 8/9xxx Sw Adv 1y E-STU
S0T88AAE	Aruba CX Soft 8/9xxx Sw Adv 3y E-STU
S0T89AAE	Aruba CX Soft 8/9xxx Sw Adv 5y E-STU
S0T90AAE	Aruba CX Soft 8/9xxx Sw Adv 7y E-STU



ARUBA CX LICENSE ORDERING SKUS (CONTINUED)

SKU	SKU Description
S0T97AAE	Aruba CX Soft 10xxx Sw Adv 1y E-STU
S0T98AAE	Aruba CX Soft 10xxx Sw Adv 3y E-STU
S0T99AAE	Aruba CX Soft 10xxx Sw Adv 5y E-STU
S0U02AAE	Aruba CX Soft 10xxx Pre 1y E-LTU
S0U03AAE	Aruba CX Soft 10xxx Pre 3y E-LTU
S0U04AAE	Aruba CX Soft 10xxx Pre 5y E-LTU