



OVERVIEW

ARENA NX is a web-based building monitoring and management solution build upon the powerful Niagara 4 platform. It is capable of integrating CentraLine BACnet and Niagara controllers, third party devices and internet protocols into a centralized software platform that is designed to manage buildings at a corporate level (to handle a huge amount of data).

It is used to supervise HVAC systems and non-HVAC systems (e.g., lighting, security, life safety) in a building or across multiple buildings.

ARENA NX serves real-time graphical information to standard web browser clients and also provides server-level functions such as: centralized data logging, archiving, alarming, real-time graphical displays, master scheduling, system-wide database management, and integration with corporate software applications.

ARENA NX helps to maximize operating and services opportunities and to minimize associated costs.

ENGINEERING

The comprehensive graphical engineering tool set (COACH NX) is embedded in the ARENA NX. COACH NX is the single engineering tool for EAGLEHAWK, HAWK and ARENA NX.

FEATURES

- **WEB ACCESS**
Access to alarms, graphics, schedules, logs and configuration data with a web browser and mobile devices
- **REAL-TIME GRAPHICAL DISPLAY**
Free configurable HTML5 user interface. Supported by libraries and template functions for an efficient user interface engineering
- **ALARMING**
Sophisticated alarm segregation, processing, escalation and routing, including e-mail alarm acknowledging
- **CONNECTIVITY**
BACnet driver with server and client support. C-Bus, Modbus IP, LON IP, MBUS, KNX IP, OPC and SNMP drivers supported by open point license
- **SCHEDULING**
Read / write access to BACnet, C-Bus and Niagara schedules. Global schedule and calendar functions "Scheduling" on Supervisor support to manage device without internal schedule function
- **CENTRALIZED DATA LOGGING**
All points can be added to a history database. Interval and Change Of Value (COV) algorithms are supported. History data can be visualized in easy and intuitive way.
- **ENERGY MANAGEMENT**
Basic energy management functions are included; enhanced features can be added. CentraLine Energy Manager is an extension module to the supervisor.
- **AUDIT**
"Audit Trail" of database changes, database storage and backup, global time functions, calendar, central scheduling, control, and energy management routines
- **NAVIGATION**
Navigation can easily be adjusted to end-user permissions and needs
- **SCRIPTING / LOGIC**
Freely programmed scripts and logic can be used to implement control and management functions on supervisor level. Batch functions can be executed to force actions or adjust settings across the system.
- **PLANT CONTROLLER Support**
Supports multiple HAWK / EAGLEHAWK and EAGLE controllers connected to a local Ethernet network, or the Internet. CARE project integration utility for efficient Supervisor setup of CentraLine BACnet systems. Virtual BACnet point property support for competitive BACnet system pricing. Remote back up of Honeywell Niagara based Controller applications to Supervisor.
- **CONFIGURABLE ROOM CONTROLLER Support**
Supports template for efficient configuration of MERLIN applications. BACnet parameter have not to be considered as license points.
- **META DATA support (Tagging)**
Additional information can be added to all integrated objects. This information can be used to structure data, search data and prepare data for further analytics.
- **DOCUMENTATION**
Full Supervisor documentation on "one click".
- **DASHBOARDING**
Data summary views customizable by end-users
- **SEARCH**
Finds data quickly, by using the clear text search function.
- **SECURITY**
Password protection and security using authentication and encryption techniques with optional security supported via an external LDAP connection

- **USERS**
Supports an unlimited number of users via Internet / Intranet access with a standard web browser depending on the host PC / Server resources
- **ARCHIVING**
Optional corporate-level data archival using SQL and MySQL database, and XML, CSV or text formats
- **Reporting**
Defines reports which can be manually or automatically created as .PDF or .CSV file and attached to email.

COMPATIBILITY

In any given Niagara system architecture, the Niagara Supervisor must be running in the highest version of any Niagara instance.

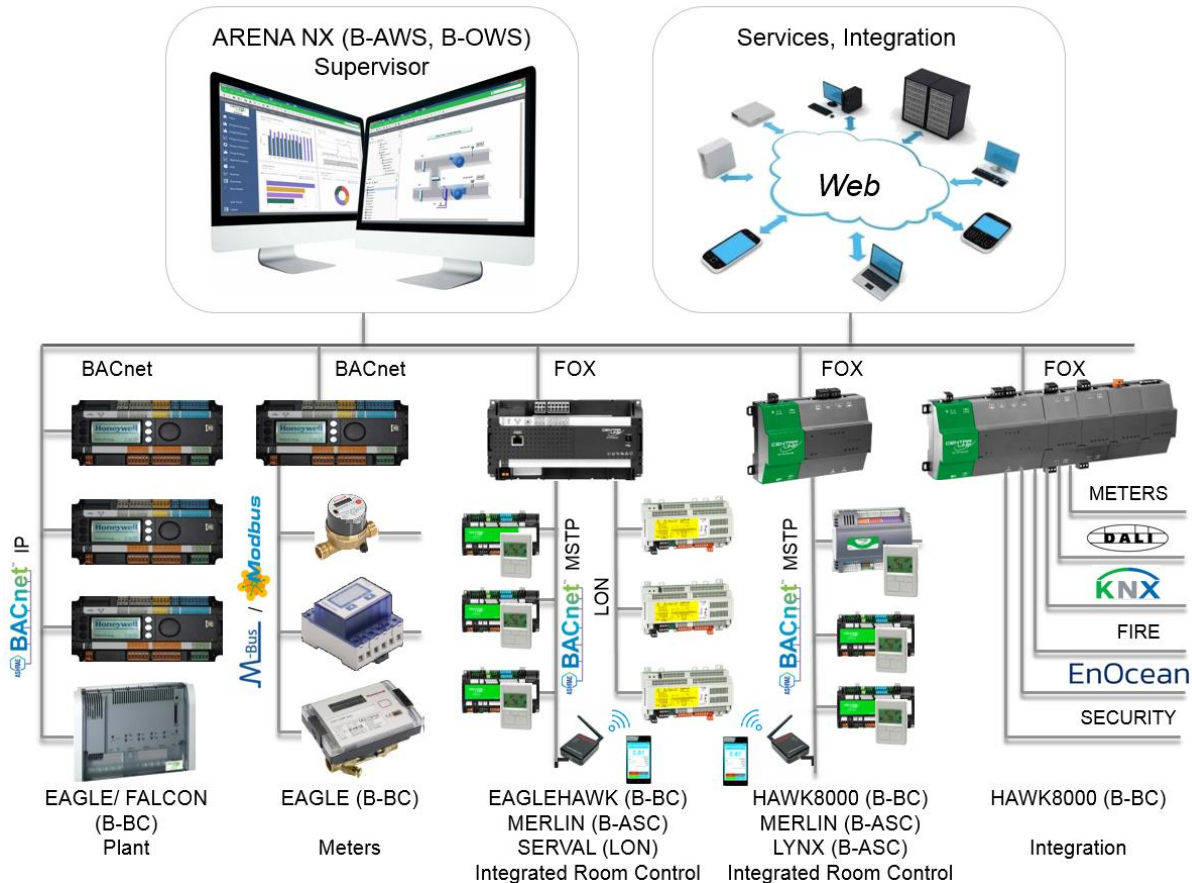
When connecting to HAWKS that are running older versions of Niagara, the following compatibility guidelines apply:

- Niagara AX: Niagara 4 Supervisors can connect to HAWKs running Niagara AX versions 3.6u4, 3.7u1, 3.8R and higher.
- R2: Niagara AX and Niagara 4 Supervisors can connect to HAWKs running R2 through the oBIX XML interface only. oBIX is included in all Niagara AX and Niagara 4 Supervisors as a means of integrating Niagara-based Release 2 (R2) JACEs. With Niagara Release 2.3.522 or higher, the oBIX driver can be added to expose all data points, schedules, trends and alarms to a Niagara AX or Niagara 4 system. This oBIX driver is both, a client and a server.

PLATFORM REQUIREMENTS

Processor	Core i5-3470 3.2GHz Quad-Core minimum
Operating System	Windows 10, 64-bit recommended. CentralLine NX supports the latest Microsoft operating systems and can run on virtual environments. For details of supported Windows Operating Systems, see here: Supported Windows Operating Systems NOTE: Copy the link into your browser, if the first click does not lead you directly to the desired page. You will have to sign up.
Memory	8 GB minimum, 16 GB or more recommended for Win 64-bit version
Hard Drive	250 GB minimum free space 500 GB for applications that need more archiving capacity
Display	Video card and monitor capable of displaying 1024 x 768 pixel resolution or greater
Network Support	Ethernet adapter (10/100 Mb with RJ-45 connector)
Connectivity	Full time high speed ISP connection recommended for remote site access (e.g. T1, ADSL, cable modem)

SYSTEM ARCHITECTURE



WHAT TO ORDER?

ARENA NX Part Numbers with Open Point Licenses

Open points include all the point types including BACnet IP, LON, KNX-IP, M-bus, Modbus TCP, oBiX, SNMP, and C-Bus.

The ARENA point licenses support any open system drivers including C-Bus. The respective drivers will be installed by the ARENA NX setup. Use these licenses if your project contains EAGLE or FALCON controllers.

All the basic licenses contain an initial maintenance license of 18 month.

Part Number	License Key	Description
CLNX-S-500P	CLNX-S-500P	Supervisor 500 points
CLNX-S-1250P	CLNX-S-1250P	Supervisor 1250 points
CLNX-S-2500P	CLNX-S-2500P	Supervisor 2500 points
CLNX-S-5000P	CLNX-S-5000P	Supervisor 5000 points
CLNX-S-10000P	CLNX-S-10000P	Supervisor 10000 points
CLNX-S-50000P	CLNX-S-50000P	Supervisor 50000 points
CLNX-S-100000P	CLNX-S-100000P	Supervisor 100000 points

ARENA NX Part Numbers based on NIAGARA Nodes

The basic ARENA NX node licenses support any NIAGARA controllers like HAWK8000, HAWK, or EAGLEHAWK. (A BACnet EAGLE or C-Bus controller is not a node)

Part Number	License key	Description
CLNX-S-1N-200PP	LNK-S-1N-200P	Supervisor - HAWK / EAGLHAWK with 200 proxy points. Does not support the Point List View
CLNX-S-5N	CLNX-S-5N	Supervisor - 5 HAWK / EAGLHAWK
CLNX-S-10N	CLNX-S-10N	Supervisor - 10 HAWK / EAGLHAWK
CLNX-S-100N	CLNX-S-100N	Supervisor - 100 HAWK / EAGLHAWK
CLNX-S-UNLN*	CLNX-S-UNLN	Supervisor - unlimited number of HAWK / EAGLHAWK

NOTE: Licenses of FOX nodes are indicated by the suffix "N" in the part number

* Request the price to your regional sales manager.

ARENA NX Upgrade Licenses

The basic point and node licenses can be upgraded by any of the following point or node upgrades. The upgrades do not influence the maintenance extension licenses which always depend on the basic license.

Part Number	License key	Description
CLNX-S-500P-UP	SUP-DEVICE-10	Add driver capacity 500 points
CLNX-S-1250P-UP	SUP-DEVICE-25	Add driver capacity 1250 points
CLNX-S-2500P-UP	SUP-DEVICE-50	Add driver capacity 2500 points
CLNX-S-5000P-UP	SUP-DEVICE-100	Add driver capacity 5000 points
CLNX-S-10000P-UP	SUP-DEVICE-200	Add driver capacity 10000 points
CLNX-S-50000P-UP	SUP-DEVICE-1000	Add driver capacity 50000 points
CLNX-S-1N-UP	SUP-UP-1	Add 1 HAWK / EAGLEHAWK For update on basis license CLNX-S-1N-200PP, only nodes will be added / no points.
CLNX-S-1N-200PP-UP	SUP-UP-1-200P	Add 1 HAWK / EAGLEHAWK with 200 proxy points. Adds another 200 proxy points to the license and does not care from where these points are connected. So, one HAWK could have 100 and the other one 300 points.
CLNX-S-10N-UP	10 X SUP-UP-1	Add 10 HAWK / EAGLEHAWK
CLNX-S-100N-UP	SUP-UP-100	Upgrade to 100 HAWK / EAGLEHAWK
CLNX-S-UNLN-UP*	SUP-UP-UNL	Upgrade to unlimited HAWK / EAGLEHAWK

*Request the price your regional sales manager

ARENA NX Upgrades

This chapter describes the available Supervisor options for upgrading ARENA NX licenses.

Please note that in the part numbers list:

Models based on CLNX-S-5N and CLNX-S-10N are all referred to as Small Building Supervisors.

- Small building supervisors can be upgraded by additional NIAGARA nodes CLNX-S-1N-UP (SUP-UP-1), CLNX-S-10N-UP (10 x SUP-UP-1), and CLNX-S-100N-UP (SUP-UP-100) upgrades.
- If CLNX-S-100N-UP (SUP-UP-100) is used, then the model switches to a CLNX-S-100N (SUP-100) based model, and any options are retained.
- If CLNX-S-UNLN-UP (SUP-UP-UNL) is used, then the model switches to a CLNX-S-UNLN (SUP-UNL) based model, and any options are retained.

Model	CLNX-S-1N-UP (SUP-UP-1)	CLNX-S-1N-200PP-UP (SUP-UP-1-200P)	CLNX-S-100N-UP (SUP-UP-100)	CLNX-S-UNLN-UP (SUP-UP-UNL)	Comment
CLNX-S-XXXP	Yes	Not possible	Yes	Not possible	Switches CLNX-S-XXXP to CLNX-S-100N
CLNX-S-1N-200PP	Yes (Update by 1 Node / no additional Points)	Yes	Not possible	Not possible	-
CLNX-S-5N	Yes	Not possible	Yes	Not possible	SUP-UP-100 switches to CLNX-S-100N
CLNX-S-10N	Yes	Not possible	Yes	Not possible	SUP-UP-100 switches to CLNX-S-100N
CLNX-S-100N	Yes	Not possible	Not possible	Yes	SUP-UP-UNL switches to CLNX-S-UNLN
CLNX-S-UNLN	Not possible	Not possible	Not possible	Not possible	-

CLNX-S-1N-200PP can be extended with two different models

- CLNX-S-1N-UP -> update by 1 node and no further data points
- CLNX-S-1N-200PP-UP -> update by 1 node and 200 additional data points

Example:

CLNX-S-1N-200PP + CLNX-S-1N-200PP-UP + CLNX-S-1N-UP
(1N and 200 DP's) + (1N and 200 DP's) + (1N)

= 3 nodes and 400 data points (divisible to the different controllers connected via nodes).

There is an initial purchase of:

CLNX-S-5N + SUP-DEVICE-10

Now have a supervisor with 5 HAWK and 500 open points, 18 months SMA.

Later, buy upgrades:

2 x CLNX-S-1N-UP (SUP-UP-1), no further SMA (Software Maintenance Agreements) purchase at this point.

Now have a supervisor with 7 HAWK and 500 open points, 18 months SMA.

Later, buy SMA for 1 year:

CLNX-1N-SMA-1Y (SUP-1-SMA-1YR)

Now have a supervisor with 7 HAWK and 500 open points, 30 months SMA from the initial purchase date.

Later, buy upgrade:

CLNX-S-100N-UP (SUP-UP-100)

Now have a supervisor with 106 HAWK and 500 open points, 30 months SMA from the initial purchase date.

Model has switched from CLNX-S-5N to CLNX-S-100N, options retained for 4x CLNX-S-1N-UP (part of CLNX-S-5N) and for added 2 HAWK and 500 points.

Later, buy SMA for 1 year:

CLNX-100N-SMA-1Y (SUP-100-SMA-1YR)

Now have a supervisor with 106 HAWK and 500 open points, 42 months SMA from the initial purchase date.

Upgrade Matrix for Basic Node and Point Licenses

Extended with Base Model	CLNX-S-500P-UP CLNX-S-2500P-UP CLNX-S-5000P-UP CLNX-S-10000P-UP CLNX-S-50000P-UP	CLNX-S-1N-200PP-UP	CLNX-S-1N-UP CLNX-S-10N-UP	CLNX-S-100N-UP
CLNX-S-1N-200PP	Yes	Yes	Yes (Update by 1 Node / no additional Points)	No
CLNX-S-5N*	Yes	No	Yes	Yes – switches the license model to 100N results in 104 nodes total capacity
CLNX-S-10N	Yes	No	Yes	Yes - switches the license model to 100N results in 100 nodes total capacity
CLNX-S-100N	Yes	No	Yes	No – upgrades for big projects on request
CLNX-S-XXXP	Yes	No	Yes	Yes - switches the license model to 100N Results in changed base model 100 Nodes + XXX points

*CLNX-S-5N is a combination between a one node basic license and four 1 node upgrades

oBIX driver connection:

The oBIX driver has two types of possible connections “external” and “internal”. It depends on the devices you add (3rd party or Honeywell). For each Obix device connection you need to have a Node license

- Each Node license will increase the external device limit (foreignDevice.limit) by 1 and point limit (foreignPoint.limit) by 10.000 data points
- Each Node license will increase the internal device limit (device.limit) by 1. Point limit” point.limit) is “none”

HOST-ID example including 13 Node licenses:

obixDriver (expires Never)

device.limit="13" , export="true" , foreignDevice.limit="13" , foreignHistory.limit="none" , foreignPoint.limit="130000" , foreignSchedule.limit="none" , history.limit="none" , point.limit="none" , schedule.limit="none"

ARENA NX Maintenance Licenses

To benefit from further maintenance and upgrade features after the initial maintenance license of the basic point/node license is expired, you can purchase one of the following maintenance extensions shown in the next tables.

If you do not purchase a maintenance extension, the supervisor will continue to run but you will not be able to update your software with maintenance releases.

This means that the maintenance extensions are cumulative and always start at the point in time, where the previous maintenance extension ends. If you purchase further maintenance extensions after you have a gap in your maintenance period, the maintenance extension will fill these gaps.

Example:

Your initial maintenance is expired since 3 years. Now you buy a maintenance extension of 5 years. Your 3 years gap is filled, and you benefit another 2 years of maintenance updates. If you immediately add another maintenance extension of 1 year, you will benefit of another 3 years of maintenance updates (If you buy 5 years and shortly after 1 year SMA, you have 3 years in total, because you had a gap of 3 years before: 5+1=6; 6 -3 (gap) = 3).

ARENA NX Maintenance Licenses for Point Licenses

To benefit from further maintenance and upgrade features after the initial maintenance license of the basic point license is expired, you can purchase one of the following maintenance extensions. The maintenance licenses are always linked to the initially purchased basic version (Order numbers ending with *P.)

Part Number	License Key	Description
CLNX-P-SMA-1Y	SUP-0-SMA-1YR	SUP-P maintenance 1 year extension
CLNX-P-SMA-3Y	SUP-0-SMA-3YR	SUP-P maintenance 3 year extension
CLNX-P-SMA-5Y	SUP-0-SMA-5YR	SUP-P maintenance 5 year extension

SMA Upgrade Matrix for Basic Point Licenses

Base Model	SMA
CLNX-S-500P CLNX-S-2500P CLNX-S-5000N CLNX-S-10000N CLNX-S-50000N	CLNX-P-SMA-xY (x = 1;3;5)

ARENA NX Maintenance Licenses for Node Licenses

To benefit from further maintenance and upgrade features after the initial maintenance license of the basic node license is expired, you can purchase one of the following maintenance extensions shown in the next table.

Part Number	License Key	Description
CLNX-1N-SMA-1Y	SUP-1-SMA-1YR	SUP-1N maintenance 1 year extension
CLNX-1N-SMA-3Y	SUP-1-SMA-3YR	SUP-1N maintenance 3 years extension
CLNX-1N-SMA-5Y	SUP-1-SMA-5YR	SUP-1N maintenance 5 years extension
CLNX-10N-SMA-1Y	SUP-10-SMA-1YR	SUP-10N maintenance 1 year extension
CLNX-10N-SMA-3Y	SUP-10-SMA-3YR	SUP-10N maintenance 3 years extension
CLNX-10N-SMA-5Y	SUP-10-SMA-5YR	SUP-10N maintenance 5 years extension
CLNX-100N-SMA-1Y	SUP-100-SMA-1YR	SUP-100N maintenance 1 year extension
CLNX-100N-SMA-3Y	SUP-100-SMA-3YR	SUP-100N maintenance 3 years extension
CLNX-100N-SMA-5Y	SUP-100-SMA-5YR	SUP-100N maintenance 5 years extension
CLNX-UNL-SMA-1Y	SUP-UNL-SMA-1YR	SUP-UNLN maintenance 1 year extension
CLNX-UNL-SMA-3Y	SUP-UNL-SMA-3YR	SUP-UNLN maintenance 3 years extension
CLNX-UNL-SMA-5Y	SUP-UNL-SMA-5YR	SUP-UNLN maintenance 5 years extension

NOTES: The maintenance licenses are always linked to the initial basic node versions indicated by the "N" in the part number.
Any license upgraded to 100 Nodes needs the (SUP-100N) maintenance extension.
Any license upgraded to an unlimited number of nodes needs the UNL maintenance extension

SMA Upgrade Matrix for Basic Node Licenses

Base Model	SMA
CLNX-S-1N-200PP	CLNX-1N-SMA-xY
CLNX-S-5N	CLNX-1N-SMA-xY
CLNX-S-10N	CLNX-10N-SMA-xY
CLNX-S-100N	CLNX-100N-SMA-xY
CLNX-S-UNLN	CLNX-UNLN-SMA-xY

x = 1;3;5

ARENA NX Database Drivers for External Database Applications

Part Number	License Key	Description
CLNX-DR-S-MYSQL	DR-S-DB-MYSQL	Driver for MYSQL database
CLNX-DR-S-SQL	DR-S-DB-SQL	Driver for SQL database
CLNX-DR-S-ORCL	DR-S-DB-ORCL	Driver for ORCL 11G database
CLNX-DR-S-CSV	DR-S-DB-CSV	Driver for CSV database

ARENA NX Fidelio Driver

Part Number	License Key	Description
CLNX-S-FID	DR-MFID	Fidelio driver for ARENA NX

ARENA NX E-Signature

Part Number	License Key	Description
CLNX-S-ESIG-N1K	ESIGN-S-N4-1000	SUPERV. E-SIGN APPLIC. 1000 SEC. POINTS
CLNX-S-ESIGN-UNL	ESIGN-S-N4-UNL	SUPERV. E-SIGN APPLIC. UNLIM SEC. POINTS
CLNX-S-ESIGN-UP-1K	ESIGN-S-N4-UP-1000	SUPERV. E-SIGN ADD. 1000 SECURED POINTS

Not officially released for Centraline proprietary driver (CBus, Panelbus, Onboard IO) and Hon BACnet Utilities – Please contact Product Manager.

ARENA NX Analytics

Part Number	License Key	Description
CLNX-S-NA-250	NA-S-N4-250	SUPERVISOR LICENSE 250 ANALYTIC POINTS
CLNX-S-NA-1000	NA-S-N4-1000	SUPERVISOR LICENSE 1000 ANALYTIC POINTS
CLNX-S-NA-10000	NA-S-N4-10000	SUPERVISOR LICENSE 10000 ANALYTIC POINTS

Not officially released for Centraline proprietary driver (CBus, Panelbus, Onboard IO) and Hon BACnet Utilities – Please contact Product Manager.

ARENA NX Camera Driver

Part Number	License Key	Description
CLNX-S-MLS-16	DR-S-MLS-16	SUPERVISOR MILESTONE 16 CAMERA DRIVER
CLNX-S-MLS-64	DR-S-MLS-64	SUPERVISOR MILESTONE 64 CAMERA DRIVER
CLNX-S-AXIS-16	DR-S-AXIS-16	SUPERVISOR AXIS 16 CAMERA DRIVER
CLNX-S-AXIS-64	DR-S-AXIS-64	SUPERVISOR AXIS 64 CAMERA DRIVER
CLNX-S-MAXP-16	DR-S-MAXP-16	SUPERVISOR MAXPRO 16 CAMERA DRIVER
CLNX-S-MAXP-64	DR-S-MAXP-64	SUPERVISOR MAXPRO 64 CAMERA DRIVER
CLNX-S-MAXP-128	DR-S-MAXP-128	SUPERVISOR MAXPRO 128 CAMERA DRIVER

ARENA NX LDAP

Part Number	License Key	Description
CLNX-S-LDAP	DR-S-LDAP	LDAP DataBase Int, Supervisor

ARENA NX JSON Toolkit

Part Number	License Key	Description
CLNX-S-JSON	DR-S-JSON	JSON TOOLKIT FOR SUPERVISOR

ARENA NX HIT

Part Number	License Key	Description
CLNX-HIT-1	CLNX-HIT	1 by HonImportTool imported CARE project on Niagara NX controller station
CLNX-HIT-10	CLNX-HIT	10 by HonImportTool imported CARE projects on Niagara NX controller stations
CLNX-HIT-100	CLNX-HIT	100 by HonImportTool imported CARE projects on Niagara NX controller stations
CLNX-HIT-500	CLNX-HIT	500 by HonImportTool imported CARE projects on Niagara NX controller stations
CLNX-HIT-1000	CLNX-HIT	1000 by HonImportTool imported CARE projects on Niagara NX controller stations

NOTE: HIT licenses are Controller licenses and cannot be added to Supervisor license.

ARENA NX Cloud Driver

Part Number	License Key	Description
CLNX-S-NCLOUD-S500	DR-NCLOUD-SEN-500	NIAGARA CLOUD DRIVER 500 POINTS
CLNX-S-NCLOUDS2500	DR-NCLOUD-SEN-2500	NIAGARA CLOUD DRIVER 2500 POINTS
CLNX-S-NCLOUD-S10K	DR-NCLOUD-SEN-10000	NIAGARA CLOUD DRIVER 10000 POINTS

ARENA NX HTTP Service

Part Number	License Key	Description
CLNX-S-HTTP	DR-S-HTTP	HTTP service interaction as web services and RESTful API

ARENA NX Alarm Console

Part Number	License Key	Description
CLNX-ALM-PORTALB	T-ALM-CONSOLE	ARENA NX alarm portal

COACH NX Engineering Licenses

CLNXENG is the license to enable the COACH NX and COACH AX engineering software. The engineering license is required once per "workstation" (engineer's PC).

A prerequisite for a running engineering license is that each company has bought the system integrator license (CLNXCOACHSI) and renews this license every year before 31st March.

All the present engineering licenses will be renewed by ordering the yearly license fee CLNXCOACHSI.

This means: Every company needs:

- 1x CLNXCOACHSI (per company and year)
- 1x CLNXENG for every new engineer's workplace PC (one-time payment; renewals covered by CLNXCOACHSI)

Part number	License Key	Description
CLNXCOACHSI-STK5	SUP-RENCON + 5 x SUP-DEMO	Starter kit CLAX/ CLNX with 5 engineering licenses.
CLNXCOACHSI-STK1	SUP-RENCON + 1 x SUP-DEMO	Starter kit CLAX/ CLNX with 1 engineering license.
CLNXCOACHSI	SUP-RENCON	CLAX/ CLNX engineering tool annual license fee. If customers with existing Niagara Central accounts order this part, all their existing engineering licenses will be renewed, but they will not get additional ones. For additional licenses they will have to order CLNXENG.
CLAXCOACHSI1M*	SUP-MONTHCON + No license*	CLAX/ CLNX engineering tool monthly license fee. Attention: you must purchase CLNXENG for every engineering PC. This part can be ordered only for new Niagara Central accounts. Users who already have an account but have not renewed it, ordering CLNXCOACHSI-STK (1/5) or CLNXCOACHSI, cannot purchase the monthly license.
CLNXENG	SUP-DEMO	CLAX/ CLNX engineering license.

*Users need to order CLNXENG.

ACCOUNT RENEWAL:

If an account does not have a valid annual license, all engineering licenses there will be frozen. If the renewal is done within one year after expiration, all demo licenses will be reactivated.

If the account has expired for more than 12 months there are two possibilities:

1. Purchase an Annual License

The demo licenses are removed from the account and can no longer be used/activated (with the license the existing inactive account becomes active again / No new account is created).

In addition, at least one new engineering license must be purchased.

2. Purchase of Multiple Annual Licenses

The demo licenses are not removed from the account and can be used/activated again. The appropriate number of annual licenses must be purchased, but not necessarily new engineering licenses.

If no valid annual license is available, then the account remains inactive, but no engineering is possible (customer licenses are still running).

Upgrade AX to NX licenses

License migrator tool provided by Tridium is released since April 2021.

Dates

- Niagara AX licensing ended 1st July 2021
- Since 13th April 2021, Tridium offers the license migration option
- Migrating Supervisor license will allow to purchase additional license options after 1st July 2021
- Niagara AX to N4 license migration will be available until 1st July 2023

Features / restrictions - Supervisor

- This option is executable for Niagara AX Supervisor models that have an active SMA
- The AX to N4 license migrator will create a Niagara 4 license with standard features equivalent to the migrated Niagara AX license within the same brand
- Migrated N4 license allows to purchase all N4 options
- License options (3rd party) that are not owned by Tridium will not be transferred - need to be licensed through the supplier.
- License options that are not supported in Niagara 4 will not be transferred
- Migrated ARENA AX licenses will not support the AX switch

Features / restrictions – Workbench (Engineering license)

- Active CLAXDEMO licenses will be migrated to CLNXENG
- AX option switch remains enabled

For further details please refer document “AX – NX license migration (available on <https://www.centraline.com/partnerweb/>)”.

NX Equivalents for AX Basic Licenses

The table below shows the replacement of the ARENA AX Basic licenses.

- These proposals are the most inexpensive ones.
- Licenses with Basic Point licenses can be used as well.

AX Order Number	NX Equivalents		
	Basic Node Licenses	Point Upgrade Licenses mandatory – not included in nodes	Node Upgrade Licenses
CLAXARENA	CLNX-S-100N or CLNX-S-UNLN	CLNX-S-xxP-UP xx = 500; 1250; 5000; 10000; 50000	CLNX-S-UNL-UP for 100N
CLAXARENASBS01	CLNX-S-1N	max 1 x CLNX-S-500P-UP	n x CLNX-S-1N-UP; n = any number
CLAXARENASBS05B	CLNX-S-5N	CLNX-S-1250P-UP; CLNX-S-xxP-UP	CLNX-S-xN-UP; x = 1; 5; 10; 100
CLAXARENASBS10	CLNX-S-10N	CLNX-S-5000P-UP; CLNX-S-xxP-UP	CLNX-S-xN-UP; x = 1; 5; 10; 100

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