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 Vision 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 HAWK 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.
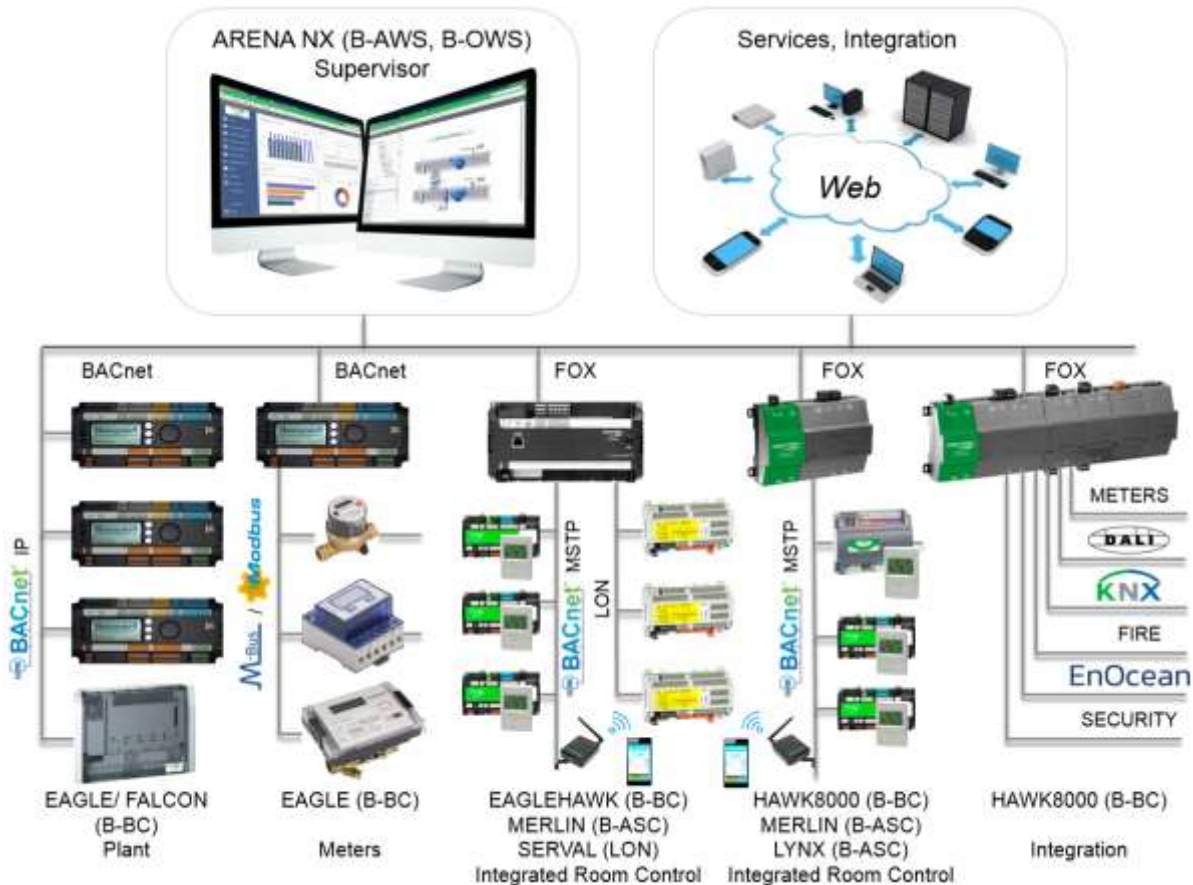
When connecting to HAWKs that are running older versions of Niagara, the following compatibility guidelines apply:

- 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. CentraLine 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

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	LNX-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 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
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)	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	Not possible	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	-

Example:

There is an initial purchase of:
CLNX-S-5N + SUP-DEVICE-10
Now have a supervisor with 5 HAWK and 500 open points, 18 month SMA.

Later, buy upgrades:
2 x CLNX-S-1N-UP (SUP-UP-1), no further SMA purchase at this point.
Now have a supervisor with 7 HAWK and 500 open points, 18 month 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 month SMA from initial purchase date.

Later, buy upgrade:
CLNX-S-100N-UP (SUP-UP-100)
Now have a supervisor with 107 HAWK and 500 open points, 30 month SMA from initial purchase date.
Model has switched from CLNX-S-5N to CLNX-S-100N, options retained for added 2 HAWK and 500 points.

Later, buy SMA for 1 year:
CLNX-100N-SMA-1Y (SUP-100-SMA-1YR)
Now have s supervisor with 107 HAWK and 500 open points, 42 month SMA from initial purchase date.

Upgrade Matrix for Basic Node and Point Licenses

Base Model \ Extended with	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-5N-UP CLNX-S-10N-UP	CLNX-S-100N-UP
CLNX-S-1N-200PP	No	Yes	No	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

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 a 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 year extension
CLNX-1N-SMA-5Y	SUP-1-SMA-4YR	SUP-1N maintenance 5 year 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 year extension
CLNX-10N-SMA-5Y	SUP-10-SMA-4YR	SUP-10N maintenance 5 year 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 year extension
CLNX-100N-SMA-5Y	SUP-100-SMA-4YR	SUP-100N maintenance 5 year 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 year extension
CLNX-UNL-SMA-5Y	SUP-UNL-SMA-4YR	SUP-UNLN maintenance 5 year 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-CSV	DR-S-DB-CSV	Driver for CSV database

ARENA NX Fidelio Driver

Part Number	License Key	Description
CLNX-DR-MFID	DR-MFID	Fidelio driver for ARENA NX and HAWK8000

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 official released for Cbus 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 official released for Cbus 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-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 1628CAMERA 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 Cloud Driver

Part Number	License Key	Description
CLNX-S-NCLOUD-S500	PCD8.SUP-CLO-500	NIAGARA CLOUD SENTIENCE 500 POINTS
CLNX-S-NCLOUDS2500	PCD8.SUP-CLO-2500	NIAGARA CLOUD DRIVER 2500 POINTS
CLNX-S-NCLOUD-S10K	PCD8.SUP-CLO-10000	NIAGARA CLOUD DRIVER 10000 POINTS

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).

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

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-STK	SUP1YS + 5 x CLAXDEMO	Starter kit CLAX/ CLNX with 5 engineering licenses. This is a special part number for new accounts. If customers with existing Niagara Central accounts order this part for the annual license renewal, all their exiting engineering licenses will be renewed and they will get five additional engineering licenses.
CLNXCOACHSI	SUP1YS + 1 x CLAXDEMO	CLAX/ CLNX engineering tool annual license fee; contains one engineering license for new accounts only. 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*	No license*	CLAX/ CLNX engineering tool monthly license fee. **Attention**: you have to purchase CLNXENG for every engineering PC. This part can be ordered only for new Niagara Central accounts. Users which already have an account but have not renewed it, ordering CLNXCOACHSI or CLNXCOACHSI1M, cannot purchase the monthly license again.
CLNXENG	CLAXDEMO	CLAX/ CLNX engineering license.

* you have to order CLNXENG

APPENDIX 2 - AX Upgrade to NX

You can order maintenance licenses for one, three or five years. Please refer to the License Agreement.

ARENA AX Upgrade to NX

Upgrading an ARENA AX to NX always keeps the original AX license model.

AX SKU	NX Upgrade SKU	License Key	Description
CLAXARENA	CLNX-UNL-SMA-xY	SUP-UNL-SMA-xYR	Maintenance x years extension; (x = 1;3;5)
CLAXARENAAPC	CLNX-P-SMA-xY	SUP-0-SMA-xYR	Maintenance x years extension; (x = 1;3;5)
CLAXARENARUP**	CLNX-UNL-SMA-xY	SUP-UNL-SMA-xYR	Maintenance x years extension; (x = 1;3;5)
CLAXARENASBS01	CLNX-1N-SMA-xY	SUP-1-SMA-xYR	Maintenance x years extension; (x = 1;3;5)
CLAXARENASBS05B	CLNX-10N-SMA-xY	SUP-10-SMA-xYR	Maintenance x years extension; (x = 1;3;5)
CLAXARENASBS10	CLNX-10N-SMA-xY	SUP-10-SMA-xYR	Maintenance x years extension; (x = 1;3;5)
CLAXARENASBSU1	CLNX-1N-SMA-xY	SUP-1-SMA-xYR	Maintenance x years extension; (x = 1;3;5)
CLAXARENASBSU5B*	CLNX-10N-SMA-xY	SUP-10-SMA-xYR	Maintenance x years extension; (x = 1;3;5)

*NOTE: CLAXARENASBSU5 does not exist
** CLAXARENAAPC is currently phased out .Adding an SMA license and downgrading to AX will upgrade to the latest AX version – actually to 3.8 regardless of the AX version you initially had.

Supervisor Downgrade NX to AX

Why to downgrade?
1. Engineer an EAGLEHAWK or HAWK AX with the supervisor
2. Benefit of drivers (e.g. video) not available in NX yet

The Starting Point is a Licensed ARENA (NX)

Step 1. To run a supervisor AX Software under a NX license, a feature has to be added to the NX license.
        To do so, send your HOST ID to axlicensing@honeywell.com (FOC).
Step 2: Get the AX license for ARENA AX from Niagara Central
Step 3: When running AX: - NX point capacity stays in effect - extend with NX licenses
                          - AX drivers can be added

License Models for Upgraded ARENA AX to NX and ARENA NX

Upgrade ARENA AX to ARENA NX (N4)

To upgrade an ARENA AX to the latest NX build, you must order a maintenance license package (CLNX...) as described in the chapter "ARENA AX Upgrade to NX", p. 8. The existing license limitations remain the same. Additional drivers or driver extensions can still be added by using the existing AX ordering codes CLAX.

See columns 1 and 4 in the table below.

Order a New ARENA NX

If you order a new ARENA NX, please order basic point or node versions and node or point upgrades as described in the chapters "ARENA NX Part Numbers with Open Point Licenses", p. 3 and "ARENA NX Part Numbers based on NIAGARA Nodes", p. 3 and "ARENA NX Upgrade Licenses", p. 3.

As you can see in the table below columns 2 and 5, the most drivers are already included as open point licenses.

The following table shows which drivers are included, available for purchase or not supported yet in the NX licensing model.

CL AX Supervisor Part Number	CL NX Supervisor Part Number	Description	Niagara AX Supervisor	Niagara 4 Supervisor
Supervisor drivers and options:				
#N/A	#N/A	NX BACnet® IP Server Driver for the Niagara Supervisor; does not include client functions	Available for purchase	Included
CLAXARENAAPC	CLNX-ALM-PORTALB	ARENA alarm portal client	Available for purchase	Available for purchase. Uses alarm console
CLAXARENASMS	#N/A	ARENA driver SMS	Available for purchase	Not supported yet; supported by HAWK8000 or EAGLEHAWK
CLAXDBCSV	CLNXDBCSV	Excel® and CSV file data import into Niagara AX/ NX – two different drivers	Available for purchase	Available for purchase
CLAXDBMYSQL	CLNXDBMYSQL	ARENA AX/ NX driver MYSQL database. If you map to values in the database – those will be in the global capacity	Available for purchase	Available for purchase
CLAXDBSQL	CLNXDBSQL	ARENA AX/ NX driver MS-SQL database	Available for purchase	Available for purchase
CLAXDRBACAWS	#N/A	ARENA driver BACnet AWS Adds BACnet® Advanced Workstation (AWS) to the Niagara AX Supervisor. Requires the BACnet® IP Client Driver. NOTE: Adding this part to	Available for purchase. Buy for the first 500 BACnet points. For all the following point buy CLAXDRBACOWS	Included

CL AX Supervisor Part Number	CL NX Supervisor Part Number	Description	Niagara AX Supervisor	Niagara 4 Supervisor
Supervisor drivers and options:				
		DR-S-BAC-CL will grant the B-AWS BTL Listing. In NX it is included		
CLAXDRBACEXP	#N/A	ARENA driver BACNETIP export upgrade	Available for purchase	Included
CLAXDRBACOWS	#N/A	ARENA driver BACNETIP OWS AX 500 points/ NX included	Available for purchase	Included. Counted in the global capacity
CLAXDRCBUS, CLAXDRCBUS500	#N/A	AX C-BUS driver AX unlimited / 500 points; NX included in the global point capacity	available for purchase	Included. Counted in the global capacity
CLAXDREIB, CLAXDREIB500	#N/A	ARENA driver EIB/KNX AX 500 points/ NX included	Available for purchase	Included. Counted in the global capacity
CLAXDRFIDELIO	CLNX-DR-MFID	AX/ NX Fidelio drivers for HAWK and ARENA	Available for purchase	Available for purchase. Counted in the global capacity
CLAXDRLONIP, CLAXDRLONIP500	#N/A	ARENA driver LONIP AX 500 points / NX included	available for purchase	Included. Counted in the global capacity
CLAXDRMBSIP, CLAXDRMBSIP500	#N/A	ARENA driver MBUSIP AX 500 points / NX included	Available for purchase	Included. Counted in the global capacity
CLAXDRMTCP, CLAXDRMTCP500	#N/A	ARENA driver MODBUSTCP(M); AX it is only master NX it is master and slave AX 500 points / NX included	Available for purchase	Included. Counted in the global capacity
CLAXDROBX, CLAXDROBX500	#N/A	ARENA driver OBIX AX 500 points/ NX included	Available for purchase	Included. Counted in the global capacity
CLAXDROPC, CLAXDROPC500	#N/A	ARENA driver OPC-DA client 500 points	Available for purchase	Included. Counted in the global capacity
CLAXDRSNMP, CLAXDRSNMP500	#N/A	ARENA driver SNMP AX 500 points / NX included	Available for purchase	Included. Counted in the global capacity
#N/A	#N/A	Add BACnet® IP Client functions to a BACnet® IP Server Driver		Included
#N/A	#N/A	Modbus® TCP Master and Slave Driver. Slave Driver for the Niagara NX. Supervisor that "serves" HAWK data to other. Modbus® Master devices over a Modbus® TCP connection		Included
CLAXARENAMIL CLAXARENAMIL4 , ~~CLAXARENAAXI*~~ ~~CLAXARENAAXI4*~~ ~~CLAXARENADED*~~ ~~CLAXARENADED4*~~	#N/A	Camera drivers	Available for purchase * phased out even for AX	not supported yet. Downgrade to AX if you need the video driver
~~CLAXDRACX~~	#N/A	HAWK driver Andover AC256	phased out	not supported yet
~~CLAXDRBPORT~~	#N/A	HAWK driver CBUS BPORT	phased out	will not be supported
~~CLAXDROPE,~~ ~~CLAXDROPE500~~	#N/A	ARENA driver OPC-AE AX 500 points	phased out	not supported yet