PRODUCT DEFINITION

VYKON Enterprise Security is a full-featured access control and security application built on the Niagara software platform. The application features an intuitive graphical user interface for managing access control and security that can be tailored for the end user with custom reports and graphics. When the application is hosted on a JACE® controller, it offers a complete access control and security solution that integrates with building control systems. For larger systems, VYKON Enterprise Security may be hosted on a Supervisor to manage databases and aggregate alarm and history data. This provides a robust distributed network architecture for access control, security, video surveillance and building control which meets the standard for smart building and IoT technologies.



KEY ADVANTAGES

- Unified graphical tool set for all connected building systems
- BACnet® server for integration with almost any building automation system
- Scalable from 2 10,000 doors
- Robust, distributed architecture
- Centralized data management and backup
- Integrated video surveillance
- Customizable access control functions using Niagara tools
- Same JACE 8000 hardware platform can be used for both building automation and security
- Advanced threat level management
- Seamless integration between access control and building systems
- Unified user interface for building systems

niagara

owered by

FEATURES

Component	Description	
Database API	Increase the security of your facility by accurately registering visitors and screening them against government databases before granting access to your facility with visitor management integration, or integrate with other personnel systems for centralized management of physical access	
LDAP database integration	Synchronize physical and logical access and manage from a single point of entry	
Role-based users	Control what users view and can access or command	
Threat level management	Change building access control based on up to 255 different threat levels	
Advanced zone management	Count people in a zone, set min and max occupancy limits, require a Supervisor and prevent passback	
Intrusion zone management	Monitor, arm and disarm secured areas	
Elevator floor control	Individual floor access control	
Intuitive user interface	Featuring context-sensitive help	
Web client user interface	System access wherever, whenever you need it without additional client licenses	
Configurable Wiegand formats	Support for most proximity card formats. Avoid replacing existing credentials when retrofitting systems	
Custom reports	Information presented in various formats	
Custom graphic / map creation	Create custom graphics to provide operators with quick access to critical information	
Video system integration	View and control cameras from the same console as other building functions. Select associated video from the alarm console, or pop-up video when alarms occur	
Integrated identity management	Print badges, verify identity by comparing photo with video feed	
Database import	Import data from other access control systems or HR databases to quickly populate the database	
Alarm escalation	Escalate alarms to remote consoles or email recipients	

AGENCY CERTIFICATIONS

SEC-R2R, SEC-RIO, NPB-PWR-UN Enterprise Security Field hardware parts are listed as compliant for the following:

- UL 294 Access Control System Units
- CSA C22.2 No. 205 Signal Equipment

JACE 8000:

- UL 916
- CE EN 61326-1
- RCM
- FCC Part 15 Subpart B, Class B

- FCC Part 15 Subpart C
- C-UL listed to Canadian Standards Association (CSA)
 C22.2 No. 205-M1983 "Signal Equipment"
- 1999/5/EC R&TTE Directive
- CCC
- SRRC
- RSS
- RoHS



ORDERING INFORMATION

VYKON Enterprise Security Supervisor			
SEC-SUP-32	Niagara Enterprise Security Application. Includes license for 32 readers, MySQL and MSSQL databases. Niagara Supervisor License must be ordered separately.		
VYKON Enterprise Security Supervisor additional reader packs			
SEC-R-16	16 Reader Pack		
SEC-R-64	64 Reader Pack		
SEC-R-256	256 Reader Pack		
SEC-R-1024	1,024 Reader Pack		
VYKON Enterprise Security Supervisor video options			
DR-S-MLS-16	Milestone Xprotect® Professional/+ or Corporate 16 camera driver		
DR-S-MLS-32	Milestone Xprotect® Professional/+ or Corporate 32 camera driver		
DR-S-MLS-64	Milestone Xprotect® Professional/+ or Corporate 64 camera driver		
DR-S-MLS-128	Milestone Xprotect® Professional/+ or Corporate 128 camera driver		
DR-S-AXIS-16	Axis® 16 camera driver		
DR-S-AXIS-32	Axis® 32 camera driver		
DR-S-AXIS-64	Axis® 64 camera driver		
DR-S-AXIS-128	Axis® 128 camera driver		
VYKON Enterprise Security Supervisor photo ID			
DR-SEC-S-ASURE	Photo ID Driver - enables photo import and integrated photo ID management. Integrates with SEC-ASURE-ID (HID® Asure ID SDK) software which is required for designing badge templates, printing badges and capturing photos		
SEC-ASURE-ID	HID Asure ID SDK Software - used for photo capture, creating badge templates and printing badges		
VYKON Enterprise Security Supervisor database integration			
DR-S-ISOM	Provides a secure restful interface to integrate with the VYKON Enterprise Security Supervisor card holder database. May be used to integrate with Easy Lobby® and other 3rd party systems.		
SEC-EL-ACI-Niagara	Easy Lobby Access Control Integration plug-in for Niagara. Requires separately purchased Easy Lobby SVM version 10.		
DR-S-LDAP	Provides interface to integrate the VYKON Enterprise Security Supervisor card holder database to		
	Active Directory/LDAP. Custom configuration of LDAP/Active Directory Database may be required.		
VYKON Enterprise Secu	urity JACE 8000 application		
VYKON Enterprise Secu SEC-J8-32			
	virity JACE 8000 application VYKON Security license for JACE 8000 controller. Includes licensing for 32 readers (not included in capacity). Does not include JACE 8000 controller.		
SEC-J8-32	virity JACE 8000 application VYKON Security license for JACE 8000 controller. Includes licensing for 32 readers (not included in capacity). Does not include JACE 8000 controller.		
SEC-J8-32 VYKON Security JACE a	virity JACE 8000 application VYKON Security license for JACE 8000 controller. Includes licensing for 32 readers (not included in capacity). Does not include JACE 8000 controller. accessories		
SEC-J8-32 VYKON Security JACE a SEC-R2R	VYKON Security license for JACE 8000 controller. Includes licensing for 32 readers (not included in capacity). Does not include JACE 8000 controller. accessories Security module for 2 Readers/Access doors and 2 digital inputs		
SEC-J8-32 VYKON Security JACE a SEC-R2R SEC-RIO	VYKON Security license for JACE 8000 controller. Includes licensing for 32 readers (not included in capacity). Does not include JACE 8000 controller. accessories Security module for 2 Readers/Access doors and 2 digital inputs Security module with 8 supervised inputs, 8 relay outputs and 2 digital inputs		
SEC-J8-32 VYKON Security JACE a SEC-R2R SEC-RIO SEC-INT-Keypad	VYKON Security license for JACE 8000 controller. Includes licensing for 32 readers (not included in capacity). Does not include JACE 8000 controller. accessories Security module for 2 Readers/Access doors and 2 digital inputs Security module with 8 supervised inputs, 8 relay outputs and 2 digital inputs Intrusion keypad with LCD display for arming/disarming security zones Large Enclosure with keyed lock, door status switch, 2 din rails for mounting JACE 8000 controller and up to 4 Remote Reader Modules or 2 Remote IO Modules. Several other combinations of devices may be		
SEC-J8-32 VYKON Security JACE at SEC-R2R SEC-RIO SEC-INT-Keypad SEC-ENC-LNP	VYKON Security license for JACE 8000 controller. Includes licensing for 32 readers (not included in capacity). Does not include JACE 8000 controller. Security module for 2 Readers/Access doors and 2 digital inputs Security module with 8 supervised inputs, 8 relay outputs and 2 digital inputs Intrusion keypad with LCD display for arming/disarming security zones Large Enclosure with keyed lock, door status switch, 2 din rails for mounting JACE 8000 controller and up to 4 Remote Reader Modules or 2 Remote IO Modules. Several other combinations of devices may be mounted in this panel. Dimensions: 17"W x 22"H x 4"D. DIN rail mountable power supply. 24 VAC/VDC input, 15 VDC 30 VA output. May be used to power		
SEC-J8-32 VYKON Security JACE at SEC-R2R SEC-R1O SEC-INT-Keypad SEC-ENC-LNP NPB-PWR	VYKON Security license for JACE 8000 controller. Includes licensing for 32 readers (not included in capacity). Does not include JACE 8000 controller. Security module for 2 Readers/Access doors and 2 digital inputs Security module with 8 supervised inputs, 8 relay outputs and 2 digital inputs Intrusion keypad with LCD display for arming/disarming security zones Large Enclosure with keyed lock, door status switch, 2 din rails for mounting JACE 8000 controller and up to 4 Remote Reader Modules or 2 Remote IO Modules. Several other combinations of devices may be mounted in this panel. Dimensions: 17"W x 22"H x 4"D. DIN rail mountable power supply. 24 VAC/VDC input, 15 VDC 30 VA output. May be used to power modules from the same battery-backed 24 VDC power supply that is used for the JACE. DIN rail mountable power supply. Universal input accepts 90-263 VAC 50/60Hz input, 15 VDC 30 Watt output. May be used to power modules where battery backup is not required.		
SEC-J8-32 VYKON Security JACE at SEC-R2R SEC-R1O SEC-INT-Keypad SEC-ENC-LNP NPB-PWR NPB-PWR-UN	VYKON Security license for JACE 8000 controller. Includes licensing for 32 readers (not included in capacity). Does not include JACE 8000 controller. Security module for 2 Readers/Access doors and 2 digital inputs Security module with 8 supervised inputs, 8 relay outputs and 2 digital inputs Intrusion keypad with LCD display for arming/disarming security zones Large Enclosure with keyed lock, door status switch, 2 din rails for mounting JACE 8000 controller and up to 4 Remote Reader Modules or 2 Remote IO Modules. Several other combinations of devices may be mounted in this panel. Dimensions: 17"W x 22"H x 4"D. DIN rail mountable power supply. 24 VAC/VDC input, 15 VDC 30 VA output. May be used to power modules from the same battery-backed 24 VDC power supply that is used for the JACE. DIN rail mountable power supply. Universal input accepts 90-263 VAC 50/60Hz input, 15 VDC 30 Watt output. May be used to power modules where battery backup is not required.		
SEC-J8-32 VYKON Security JACE at SEC-R2R SEC-RIO SEC-INT-Keypad SEC-ENC-LNP NPB-PWR NPB-PWR-UN VYKON Security JACE at SEC-PRION SECURITY SECUR	VYKON Security license for JACE 8000 controller. Includes licensing for 32 readers (not included in capacity). Does not include JACE 8000 controller. Security module for 2 Readers/Access doors and 2 digital inputs Security module with 8 supervised inputs, 8 relay outputs and 2 digital inputs Intrusion keypad with LCD display for arming/disarming security zones Large Enclosure with keyed lock, door status switch, 2 din rails for mounting JACE 8000 controller and up to 4 Remote Reader Modules or 2 Remote IO Modules. Several other combinations of devices may be mounted in this panel. Dimensions: 17"W x 22"H x 4"D. DIN rail mountable power supply. 24 VAC/VDC input, 15 VDC 30 VA output. May be used to power modules from the same battery-backed 24 VDC power supply that is used for the JACE. DIN rail mountable power supply. Universal input accepts 90-263 VAC 50/60Hz input, 15 VDC 30 Watt output. May be used to power modules where battery backup is not required.		

SPECIFICATIONS

	VYKON Enterprise Security Supervisor	JACE-8000
Personnel	1,000,000	40,000
Card readers	10,000	32
Access rights	25,000	250
Schedules	1,500	100
Access zones	25,000	50
Simultaneous users	25	10
Area controllers	250	N/A

COMPATIBILITY

Niagara 4.6 or later

 JACE 8000 platform (Not supported on legacy JACE models)

Microsoft® SQL Server and SQL Server Express 2012, 2016, 2017, 2019

MySQL™ 5.7, 8.0, 9.0

Browsers: Firefox, Chrome, and Microsoft Edge. WebLauncher is required to display views that require WbApplet.

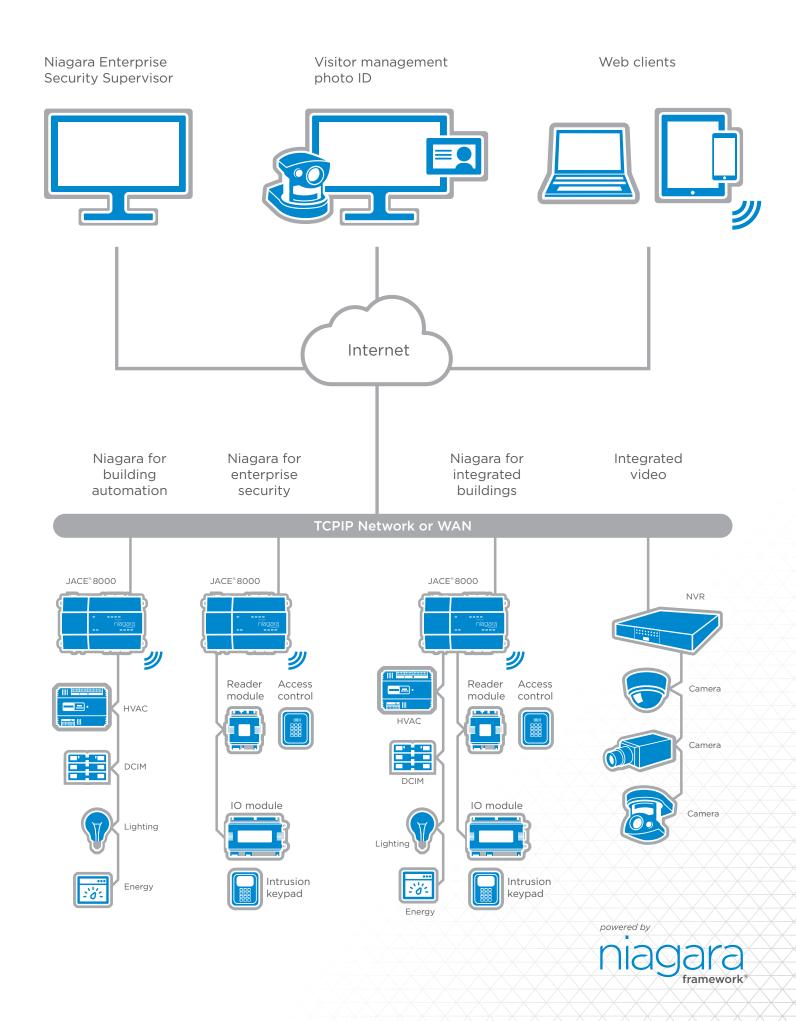
PLATFORM REQUIREMENTS FOR VYKON ENTERPRISE SECURITY SUPERVISOR

Niagara 4 Supervisors may run acceptably on lower-rated platforms, or may even require more powerful platforms, depending on the application, number of data points integrated, data poll rate, number of concurrent users, performance expectations, etc.

Component	Description	
Processor	Intel® Xeon® CPU E5-2640 x64 (or better), compatible with dual- and quad-core processors	
Operating System	Windows 10 (64 bit), Windows Server 2016, Windows Server 2019 (64 bit), Red Hat Enterprise Linux 7.7, 8.1 (64bit)	
Mobile Operating System	iOS 12, iOS13, Android 8 Oreo, Android 9 Pie, Android 10.0	
Browser	Chrome, Firefox, Microsoft Edge. Web Launcher required for views that are applet dependent views	
Mobile Browser	Safari on iOS, Chrome on Android	
Database	MySQL 5.7, 8.0, 9.0; MSSQL 2012, 2016, 2017, 2019	
Memory	6 GB minimum, 8 GB or more recommended for larger systems	
Hard Drive	4 GB minimum, more recommended depending on archiving requirements	
Display	Video card and monitor capable of displaying 1024 x 768 pixel minimum, 1080p (1920 x 1080 pixel) or better is recommended.	
Network Support	Ethernet adapter (10/100 Mb with RJ-45 connector)	
Connectivity	Full-time high-speed ISP connection recommended for remote site access (i.e., T1, ADSL, cable modem) and IPv6-compliant	

Platform requirements for older versions of Niagara Supervisors are included in the release notes for each version.







VYKON Enterprise Security is available through a wide variety of original equipment manufacturers. Our open distribution business model and open protocol support allow a vendor-neutral application compatible with devices and systems throughout the world.

To learn more about how to purchase and install VYKON Enterprise Security, or if you are an original equipment manufacturer and would like to add this to your suite of offerings, contact your VYKON partner.



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